Zoom-Zoom

All children instinctively know it.

A few adults still remember it.

One unique car company refuses to outgrow it.

In grown-up language, it means the exhilaration and

liberation that come from experiencing sheer motion.

But as usual, children put it much better and simply call it " Go Zoom-Zoom."

We practice it every day.

It's why we build the kind of cars we do.

Zoom-Zoom.

Can we re-awaken it in you today?

Information Provided by: DEALER E-PROCESS

Information Provided by:
DEALER E-PROCESS

A Word to Mazda Owners

Thank you for choosing a Mazda. We at Mazda design and build vehicles with complete customer satisfaction in mind.

To help ensure enjoyable and trouble-free operation of your Mazda, read this manual carefully and follow its recommendations.

An Authorized Mazda Dealer knows your vehicle best. So when maintenance or service is necessary, that's the place to go.

Our nationwide network of Mazda professionals is dedicated to providing you with the best possible service.

We assure you that all of us at Mazda have an ongoing interest in your motoring pleasure and in your full satisfaction with your Mazda product.

Mazda North American Operations

Important Notes About This Manual
Keep this manual in the glove box as a handy reference for the safe and enjoyable use of your Mazda. Should you resell the vehicle, leave this manual with it for the next owner.

All specifications and descriptions are accurate at the time of printing. Because improvement is a constant goal at Mazda, we reserve the right to make changes in specifications at any time without notice and without obligation.

Air Conditioning and the Environment
Your Mazda's genuine air conditioner is filled with HFC134a (R134a), a refrigerant that has been found not to damage the earth's ozone layer. If the air conditioner does not operate properly, consult an Authorized Mazda Dealer.

Perchlorate
Certain components of this vehicle such as [air bag modules, seat belt pretensioners, lithium batteries, ...] may contain Perchlorate Material– Special handling may apply for service or vehicle end of life disposal. See www.dtsc.ca.gov/hazardouswaste/perchlorate.

Please be aware that this manual applies to all models, equipment and options. As a result, you may find some explanations for equipment not installed on your vehicle.

©2011 Mazda North American Operations
Printed in U.S.A. (Print1)

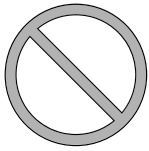
Information Provided by: DEALER E-PROCESS

How to Use This Manual

We want to help you get the most driving pleasure from your vehicle. Your owner's manual, when read from cover to cover, can do that in many ways.

Illustrations complement the words of the manual to best explain how to enjoy your Mazda. By reading your manual, you can find out about the features, important safety information, and driving under various road conditions.

The symbol below in this manual means “Do not do this” or “Do not let this happen”.



Index: A good place to start is the Index, an alphabetical listing of all information in your manual.

You'll find several WARNINGs, CAUTIONs, and NOTEs in the manual.

⚠ WARNING

A WARNING indicates a situation in which serious injury or death could result if the warning is ignored.

⚠ CAUTION

A CAUTION indicates a situation in which bodily injury or damage to your vehicle, or both, could result if the caution is ignored.

NOTE

A NOTE provides information and sometimes suggests how to make better use of your vehicle.

The symbol below, located on some parts of the vehicle, indicates that this manual contains information related to the part. Please refer to the manual for a detailed explanation.

Information Provided by: DEALER E-PROCESS

Table of Contents

Your Vehicle at a Glance 1
Interior, exterior views and part identification of your Mazda.

Essential Safety Equipment 2
Use of safety equipment, including seats, seat belt system, child-restraint systems and SRS air bags.

Knowing Your Mazda 3
Explanation of basic operations and controls; opening/closing and adjustment of various parts.

Before Driving Your Mazda 4
Important information about driving your Mazda.

Driving Your Mazda 5
Explanation of instruments and controls.

Interior Comfort 6
Use of various features for drive comfort, including air-conditioning and audio system.

In Case of an Emergency 7
Helpful information on what to do in an emergency.

Maintenance and Care 8
How to keep your Mazda in top condition.

Customer Information and Reporting Safety Defects 9
Important consumer information including warranties and add-on equipment.

Specifications 10
Technical information about your Mazda.

Index 11

Information Provided by: DEALER E-PROCESS

Information Provided by:
DEALER E-PROCESS

1 Your Vehicle at a Glance

Interior, exterior views and part identification of your Mazda.

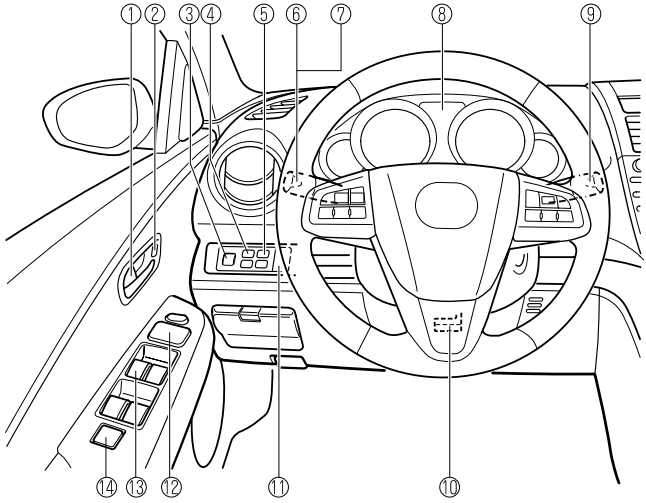
Interior Overview 1-2
Interior Equipment (View A) 1-2
Interior Equipment (View B) 1-3
Interior Equipment (View C) 1-4

Exterior Overview 1-5
Front 1-5
Rear 1-6

Form No.8CD1-EA-11C
Information Provided by: DEALER E-PROCESS

Interior Overview

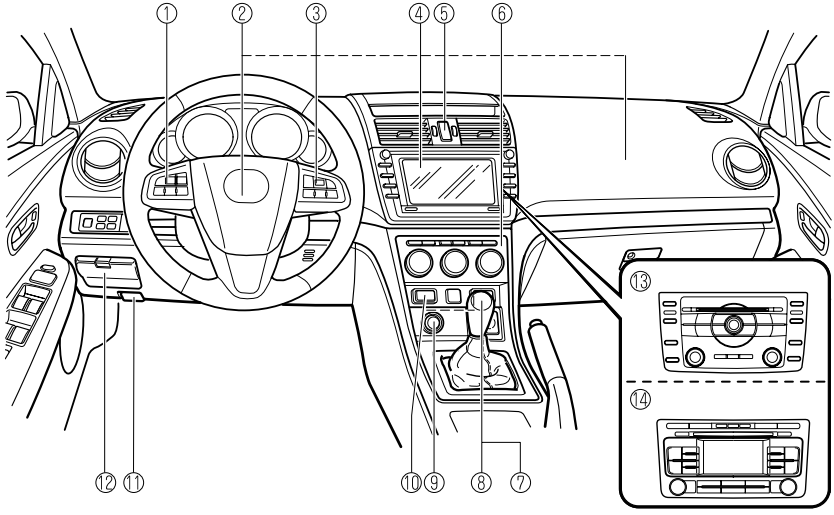
Interior Equipment (View A)



① Door-lock knob ..... page 3-32
② Power door lock switch ..... page 3-32
③ Headlight leveling switch ..... page 5-65
④ DSC OFF switch ..... page 5-25
⑤ BSM OFF switch ..... page 5-36
⑥ Lighting control ..... page 5-61
⑦ Turn and lane-change signals ..... page 5-66
⑧ Instrument cluster ..... page 5-38
⑨ Wiper and washer lever ..... page 5-67
⑩ Lock release lever ..... page 3-61
⑪ Trunk release button ..... page 3-36
⑫ Outside mirror switch ..... page 3-61
⑬ Power window switches ..... page 3-41
⑭ Power window lock switch ..... page 3-43

Information Provided by: DEALER E-PROCESS

Interior Equipment (View B)

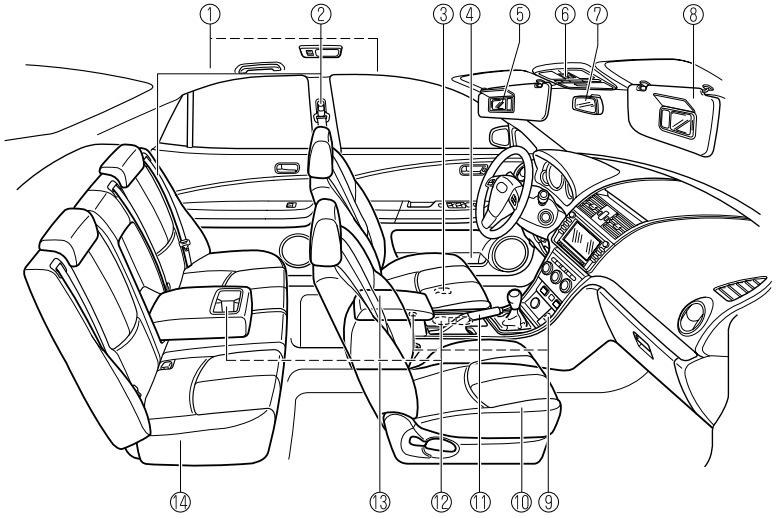


① Audio control switches ..... page 6-71
② SRS air bags ..... page 2-41
③ Cruise control switches ..... page 5-20
④ Navigation system (if equipped) ..... Refer to the separate manual
⑤ Hazard warning flasher switch ..... page 5-73
⑥ Climate control system ..... page 6-2
⑦ MT shift lever ..... page 5-11
⑧ AT shift lever ..... page 5-13
⑨ Push button start ..... page 3-10
⑩ Seat warmer switches ..... page 2-12
⑪ Hood release handle ..... page 3-45
⑫ Storage pocket ..... page 6-150
⑬ Audio system ..... page 6-16
⑭ Multi information display ..... page 6-45

Information Provided by: DEALER E-PROCESS

Interior Overview

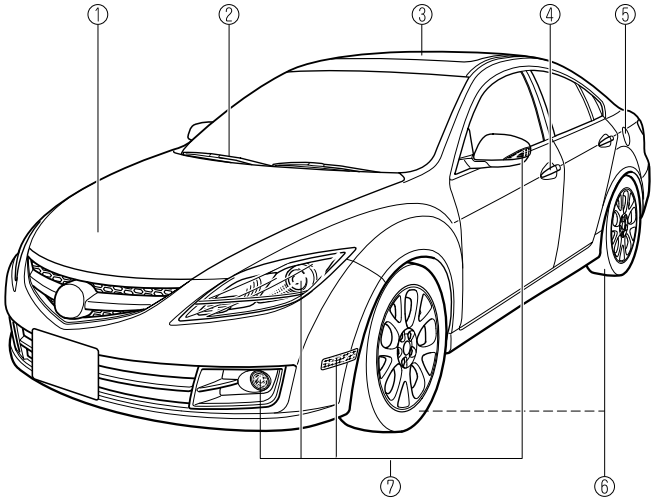
Interior Equipment (View C)



① SRS air bag ..... page 2-41
② Seat belt ..... page 2-14
③ Remote fuel-filler lid release ..... page 3-44
④ Bottle holder ..... page 6-149
⑤ Vanity mirror ..... page 6-141
⑥ Overhead lights ..... page 6-142
⑦ Rearview mirror ..... page 3-62
⑧ Sunvisor ..... page 6-141
⑨ Accessory sockets ..... page 6-153
⑩ Front seat ..... page 2-2
⑪ Parking brake ..... page 5-7
⑫ Cup holders ..... page 6-148
⑬ Center console ..... page 6-151
⑭ Rear seat ..... page 2-9

Information Provided by: DEALER E-PROCESS

Front

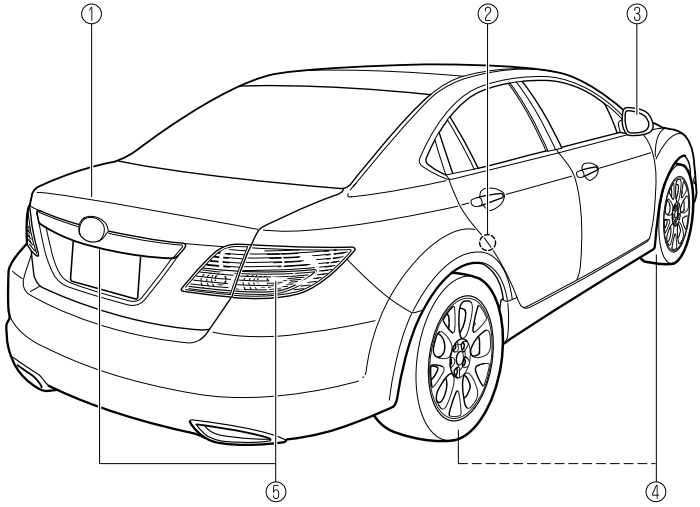


① Hood ..... page 3-45
② Windshield wiper blades ..... page 8-27
③ Moonroof ..... page 3-47
④ Door lock ..... page 3-31
⑤ Fuel-filler lid ..... page 3-43
⑥ Tires ..... page 8-31
⑦ Light bulbs ..... page 8-38

Information Provided by: DEALER E-PROCESS

Exterior Overview

Rear



① Trunk lid ..... page 3-36
② Child safety lock ..... page 3-35
③ Outside mirror ..... page 3-61
④ Tires ..... page 8-31
⑤ Light bulbs ..... page 8-38

Information Provided by: DEALER E-PROCESS

2 Essential Safety Equipment

Use of safety equipment, including seats, seat belt system, child-restraint systems and SRS air bags.

Seats 2-2
Front Seats (Manually Operated Seats) 2-2
Front Seats (Electrically Operated Seats) 2-4
Rear Seat 2-9
Head Restraints 2-11
Seat Warmer* 2-12

Seat Belt Systems 2-14
Seat Belt Precautions 2-14
Seat Belt 2-18
Front Seat Belt Pretensioner and Load Limiting Systems 2-20
Seat Belt Extender 2-23
Seat Belt Warning Light 2-24
Seat Belt Reminder 2-25

Child Restraint 2-26
Child Restraint Precautions 2-26
Child-Restraint System Installation Position 2-30
Installing Child-Restraint Systems 2-31
LATCH Child-Restraint Systems 2-37

SRS Air Bags 2-41
Supplemental Restraint System (SRS) Precautions 2-41
Supplemental Restraint System Components 2-46
How the SRS Air Bags Work 2-47
SRS Air Bag Deployment Criteria 2-51
Limitations to SRS Air Bag 2-52
Driver and Front Passenger Occupant Classification System* 2-54
Monitoring and Maintenance 2-59

*Some models.

Information Provided by: DEALER E-PROCESS

Front Seats (Manually Operated Seats)

⚠ WARNING

Do not modify or replace the front seats:

Modifying or replacing the front seats such as replacing the upholstery or loosening any bolts is dangerous. The front seats contain air bag components essential to the supplemental restraint system. Such modifications could damage the supplemental restraint system and result in serious injury. Consult an Authorized Mazda Dealer if there is any need to remove or reinstall the front seats.

Do not drive with damaged front seats:

Driving with damaged front seats is dangerous. A collision, even one not strong enough to inflate the air bags, could damage the front seats which contain essential air bag components. If there was a subsequent collision, an air bag may not deploy which could lead to injuries. Always have an Authorized Mazda Dealer inspect the front seats, front seat belt pretensioners and air bags after a collision.

Make sure the adjustable components of a seat are locked in place:

Adjustable seats and seatbacks that are not securely locked are dangerous. In a sudden stop or collision, the seat or seatback could move, causing injury. Make sure the adjustable components of the seat are locked in place by attempting to slide the seat forward and backward and rocking the seatback.

Adjust the driver's seat only when the vehicle is stopped:

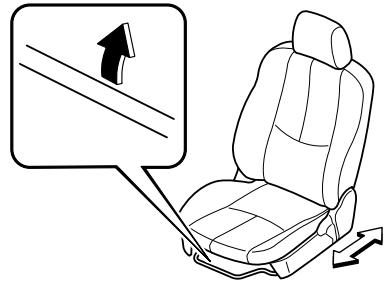
Adjusting the driver's seat while the vehicle is moving is dangerous. The driver could lose control of the vehicle and have an accident.

⚠ CAUTION

Be careful not to place your hands and fingers around moving parts of the front seat when adjusting the seat positions to prevent injury.

▼Seat Slide

To move a seat forward or backward, raise the lever and slide the seat to the desired position and release the lever.



Information Provided by: DEALER E-PROCESS

Make sure the lever returns to its original position and the seat is locked in place by attempting to push it forward and backward.

▼Seat Recline

⚠ WARNING

Do not drive with either front seat reclined:

Sitting in a reclined position while the vehicle is moving is dangerous because you do not get the full protection from seat belts. During sudden braking or a collision, you can slide under the lap belt and suffer serious internal injuries. For maximum protection, sit well back and upright.

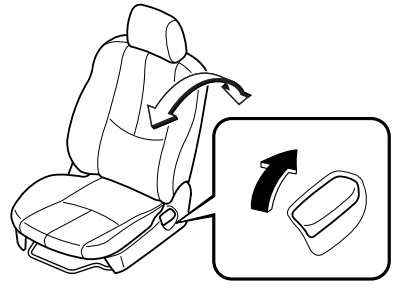
Always sit in the front passenger seat properly with the seatback upright and feet on the floor (With Driver and Front Passenger Occupant Classification System):

Your front passenger seat has weight sensors, sitting in the front passenger seat improperly out of position or with the seatback reclined too far while the vehicle is moving is dangerous as it can take off weight from the seat bottom and affect the weight determination of the front passenger sensing system. As a result the front passenger will not have the supplementary protection of the air bag and seat belt pretensioner, which could result in serious injury. Always sit upright against the seatback with your feet on the floor.

Do not drive with the seatback unlocked:

All of the seatbacks play an important role in your protection in a vehicle. Leaving the seatback unlocked is dangerous as it can allow passengers to be ejected or thrown around and baggage to strike occupants in a sudden stop or collision, resulting in severe injury. After adjusting the seatback at any time, even when there are no other passengers, rock the seatback to make sure it is locked in place.

To change the seatback angle, lean forward slightly while raising the lever. Then lean back to the desired position and release the lever.



Make sure the lever returns to its original position and the seatback is locked in place by attempting to push it forward and backward.

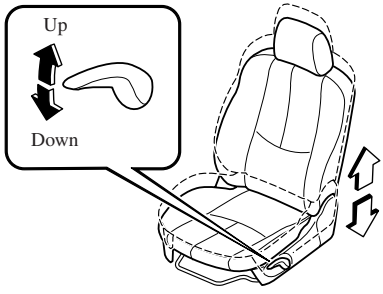
Information Provided by: DEALER E-PROCESS

⚠ CAUTION

When returning a rear-reclined seatback to its upright position, make sure you hold onto the seatback with your other hand while operating the lever. If the seatback is not supported, it will flip forward suddenly and could cause injury.

▼Height Adjustment (Driver's Seat)

To adjust the seat height, move the lever up or down.



Front Seats (Electrically Operated Seats)

⚠ WARNING

Do not modify or replace the front seats:

Modifying or replacing the front seats such as replacing the upholstery or loosening any bolts is dangerous. The front seats contain air bag components essential to the supplemental restraint system. Such modifications could damage the supplemental restraint system and result in serious injury. Consult an Authorized Mazda Dealer if there is any need to remove or reinstall the front seats.

Do not drive with damaged front seats:

Driving with damaged front seats is dangerous. A collision, even one not strong enough to inflate the air bags, could damage the front seats which contain essential air bag components. If there was a subsequent collision, an air bag may not deploy which could lead to injuries. Always have an Authorized Mazda Dealer inspect the front seats, front seat belt pretensioners and air bags after a collision.

Adjust the driver's seat only when the vehicle is stopped:

Adjusting the driver's seat while the vehicle is moving is dangerous. The driver could lose control of the vehicle and have an accident.

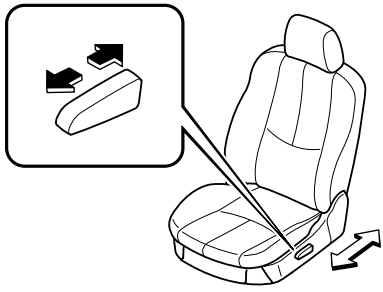
Information Provided by: DEALER E-PROCESS

CAUTION

- *The seat-bottom power adjustment is operated by motors. Avoid extended operation because excessive use can damage the motors.*
- *To prevent the battery from running down, avoid using the power adjustment when the engine is stopped. The adjuster uses a large amount of electrical power.*
- *Do not use the switch to make more than one adjustment at a time.*
- *Be careful not to place your hands and fingers around moving parts of the front seat when adjusting the seat positions to prevent injury.*

▼Seat Slide

To slide the seat, move the slide lifter switch on the outside of the seat to the front or back and hold it. Release the switch at the desired position.



▼Seat Recline

WARNING

Do not drive with either front seat reclined:

Sitting in a reclined position while the vehicle is moving is dangerous because you do not get the full protection from seat belts. During sudden braking or a collision, you can slide under the lap belt and suffer serious internal injuries. For maximum protection, sit well back and upright.

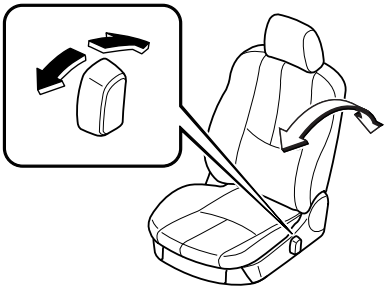
Always sit in the front passenger seat properly with the seatback upright and feet on the floor (With Driver and Front Passenger Occupant Classification System):

Your front passenger seat has weight sensors, sitting in the front passenger seat improperly out of position or with the seatback reclined too far while the vehicle is moving is dangerous as it can take off weight from the seat bottom and affect the weight determination of the front passenger sensing system. As a result the front passenger will not have the supplementary protection of the air bag and seat belt pretensioner, which could result in serious injury. Always sit upright against the seatback with your feet on the floor.

Information Provided by: DEALER E-PROCESS

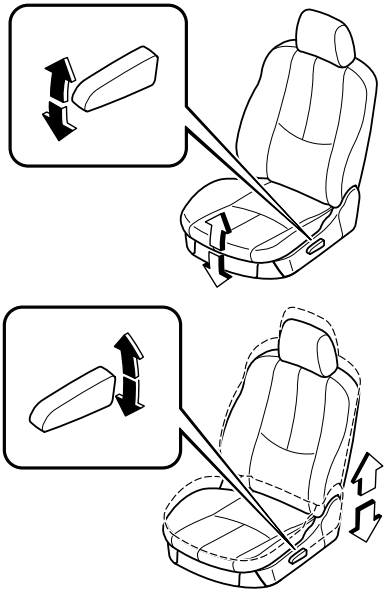
Seats

To change the seatback angle, press the front or rear side of the reclining switch. Release the switch at the desired position.



▼Height Adjustment (Driver's Seat)

To adjust the seat height, move the switch up or down.

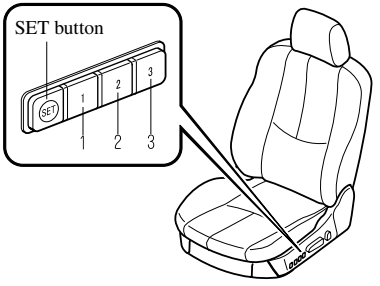


▼Seat Position Memory (Driver's Seat)*

One-touch seat position programming and activation is available on the driver's seat.

⚠ CAUTION

When activating the seat position, do not place your hands or fingers around the seat bottom. The seat moves to the desired position automatically, and if your hands or fingers are placed around the seat bottom, it could cause injury.



Programming of the driver's seat positions is possible using the following functions:

- Programming buttons 1, 2, or 3 and the SET button.
- Operation using the advanced key/ retractable type key

Programmed seat positions can be activated using the following functions:

- Programming buttons 1, 2, or 3.
- Operation using advanced keyless functions/keyless entry system

NOTE

Individual seat positions can be programmed to the three available programming buttons on the side of the driver's seat, plus one seat position for each advanced key/retractable type key used with the vehicle.

*Some models.

Information Provided by: DEALER E-PROCESS

Operation using the seat-side buttons

Programming

Park the vehicle in a safe location before performing the seat position programming. (Vehicle must be stopped)

1. Adjust the seat to the desired position.
   For each seat position adjustment method refer to the following pages:
   Seat Slide (page 2-5)
   Seat Recline (page 2-5)
   Height Adjustment (page 2-6)
2. While holding the SET button in, press the desired programming button 1, 2, or 3 until a beep sound is heard.
   The button is programmed after a beep sound is heard. Other buttons can be programmed using the same procedure.

NOTE

Vehicle maintenance or other reasons requiring the vehicle battery to be disconnected will result in the seat position memory being erased.
In this case, re-program the seat positions.

Setting the driver's seat to a pre-programmed position

There are two methods for setting the driver's seat to a pre-programmed position. For example, the type A method can be used before sitting in the seat and while the driver's door is open, and the type B method can be used after getting in the vehicle with the driver's door closed.

TYPE A

When the ignition is switched off and the driver's door is open, press the programming button 1, 2, or 3 for the desired seating position.

NOTE

In the following cases, the seat position set function cancels:

- *Any of the seat adjustment switches are operated.*
- *The SET button is pressed.*
- *A programming button 1, 2, or 3 is pressed.*
- *The vehicle starts moving.*
- *Vehicle locking/unlocking is done using the transmitter.*
- *Vehicle locking/unlocking is done using the advanced keyless functions.*

TYPE B

When the ignition is switched ON or the driver's door is closed, press and hold the desired programming button 1, 2, or 3.

NOTE

In the following cases, the seat position set function cancels:

- *Any of the seat adjustment switches are operated.*
- *The SET button is pressed.*
- *The vehicle starts moving.*

Operation using the advanced key/ retractable type key

Programming

One seat position can be programmed into each advanced key/retractable type key. After the following conditions have been met, operate the seat and the advanced key/retractable type key to program the seat positions.

- The ignition is switched off
  (The auxiliary key/retractable type key is removed from the ignition switch)
- The driver's door is open

Information Provided by: DEALER E-PROCESS

1. Adjust the seat to the desired position.
   For each seat position adjustment method, refer to the following pages:
   Seat Slide (page 2-5)
   Seat Recline (page 2-5)
   Height Adjustment (page 2-6)
2. While holding the SET button in, press and hold the button on the advanced key/retractable type key until a beep sound is heard.
   The advanced key/retractable type key is programmed after a beep sound is heard.

Seat position memory setting procedure

To set the driver's seat to pre-programmed position, switch the ignition off, unlock the doors using any of the following methods, and then open the driver's door within about 40 seconds.

- Press the button on the advanced key/retractable type key.
- Touch the sensor area on the backside of the front door handle while the advanced key is being carried.

NOTE

If any of the following occurs, the seat position activation function cancels:

- *The / button on the advanced key/retractable type key is pressed while the key is not inserted into the ignition switch or the key slot.*
- *A seat adjustment switch is operated.*
- *The vehicle starts moving.*
- *The selected programming button 1, 2, or 3 is pressed.*
- *Vehicle unlocking is done using the advanced keyless functions.*
- *The SET button is pressed.*

Erasing memory

After the following conditions have been met, while holding the SET button in, press the button on the advanced key/retractable type key until a beep sound is heard.

- The ignition is switched off
  (The auxiliary key/retractable type key is removed from the ignition switch)
- The driver's door is open

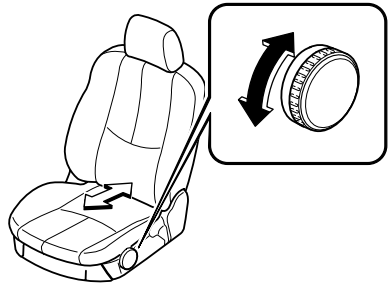
NOTE

Memory will also be erased if any of the following operations are performed:

- *The advanced key/retractable type key code has been changed.*
  Refer to Immobilizer System (with Advanced Key) on page 3-50.
  Refer to Immobilizer System (without Advanced Key) on page 3-54.
- *The vehicle battery is disconnected for vehicle maintenance or other reasons.*

▼Lumbar Support Adjustment (Driver's Seat)

The amount of lumbar support can be adjusted by rotating dial.



Information Provided by: DEALER E-PROCESS

Rear Seat

⚠ WARNING

Make sure luggage and cargo are secured before driving:

Not securing cargo while driving is dangerous as it could move or be crushed during sudden braking or a collision and cause injury.

Do not drive with the seatback unlocked:

All of the seatbacks play an important role in your protection in a vehicle. Leaving the seatback unlocked is dangerous as it can allow passengers to be ejected or thrown around and baggage to strike occupants in a sudden stop or collision, resulting in severe injury. After returning the seatback at any time, even when there are no other passengers, rock the seatback to make sure it is locked in place.

Never allow a passenger to sit or stand on the folded seatback while the vehicle is moving:

Driving with a passenger on the folded seatback is dangerous. Allowing a child to sit up on the folded seatback while the vehicle is moving is particularly dangerous. In a sudden stop or even a minor collision, a child not in a proper seat or child-restraint system and seat belt could be thrown forward, back or even out of the vehicle resulting in serious injuries or death. The child in the baggage area could be thrown into other occupants and cause serious injury.

Never give the car keys to children and do not allow them to play in the vehicle:

Playing with the folding rear seats is dangerous. Once the seatbacks are back up, a child in the trunk would not be able to get out the way they had entered. If you have small children, keep the seatbacks locked.

Always leave your car locked and keep the car keys safely away from children:

Leaving your car unlocked or the keys in reach of children is dangerous. Children who find their way into the trunk through an unlocked rear seatback or an open trunk can become accidentally locked in the trunk. This could result in death or brain damage from heat prostration, particularly in the summer. Always lock the doors and the trunk, and as an added measure, keep the rear seatbacks locked, whether you have children in your home or not.

Do not leave the key in your vehicle with children and keep them in a place where your children will not find or play with them:

Leaving children in a vehicle with the key is dangerous. This could result in someone being badly injured or even killed. Children may find these new kinds of keys to be an interesting toy to play with and could cause the power windows or other controls to operate, or even make the vehicle move.

Information Provided by: DEALER E-PROCESS

NOTE
When returning a rear seat to its original position, also replace the seat belt to its normal position. Verify that the seat belt pulls out and retracts.

▼Split-Folding Rear Seatback

The seatbacks can be folded down to provide more space in the trunk.

To fold down the seatbacks

⚠ WARNING

Always remove the child-restraint system from the rear seat before operating the straps (in trunk) for the rear seat:
Operating (pulling) the straps (in trunk) while a rear-facing child-restraint system is in the rear seat is dangerous. It could cause injury to a child seated in the child-restraint system when the seatback suddenly flips forward.

Make sure there is nobody in the rear seat area before operating (pulling) the straps (in trunk):
Not checking the rear seat area for persons before folding the seatbacks down with the straps (in trunk) is dangerous. The rear seat area is difficult to see from the rear of the vehicle. Operating (pulling) the straps (in trunk) without checking could cause injury to a person when a seatback suddenly flips forward.

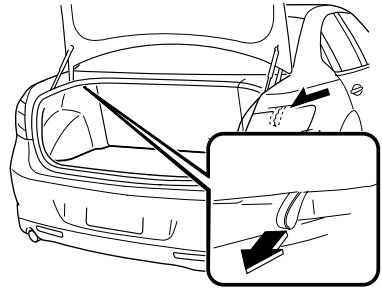
⚠ CAUTION

Before folding the seatbacks down with the straps (in trunk), make sure there is no cup in a rear cup holder. Folding the seatbacks with the straps (in trunk) while a cup is in the cup holder could soil or damage the seat bottom and seatback.

⚠ CAUTION

Be careful of the following when using the straps (in trunk):
On a downward slope, the seatback could flip forward faster than on a flat surface.

1. After checking that the rear seats are clear, open the trunk and pull the straps (in trunk) on the left and right sides of the trunk.



2. Open the rear door and fold the rear seatbacks forward.

To return the seatbacks to the upright position

1. Lift the seatbacks upright.
2. Pull on the top of the seatbacks from inside the vehicle to make sure they are locked.

Information Provided by: DEALER E-PROCESS

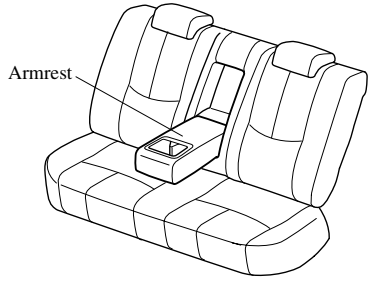
⚠ WARNING

Always make sure the seat belts are fully pulled out from under the seatbacks:

A seat belt caught under a seatback after the seatback is returned to its upright position is dangerous. In a collision or sudden stop, the seat belt cannot provide adequate protection.

▼Armrest

The rear armrest in the center of the rear seatback can be used (no occupant in the center seat) or placed upright.



Head Restraints

Your vehicle is equipped with head restraints on all outboard seats. The head restraints are intended to help protect you and the passengers from neck injury.

⚠ WARNING

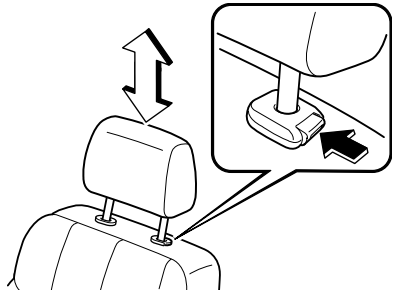
Always drive with the head restraints installed when seats are being used and make sure they are properly adjusted:

Driving with the head restraints adjusted too low or removed is dangerous. With no support behind your head, your neck could be seriously injured in a collision.

Height adjustment

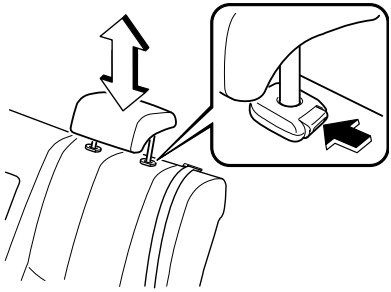
To raise a head restraint, pull it up to the desired position.
To lower the head restraint, press the stop-catch release, then push the head restraint down.
Adjust the head restraint so that the top is even with the top of the passenger's ears, never the passenger's neck to prevent injury.

Front outboard seat



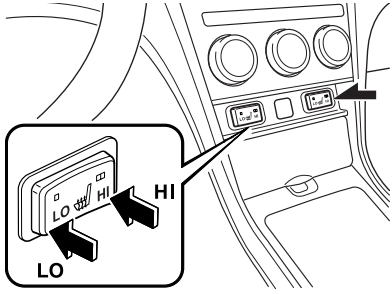
Information Provided by: DEALER E-PROCESS

Rear outboard seat



Seat Warmer *

Press the HI or LO side of the seat warmer switch with the ignition switched ON. The indicator on the switch illuminates and the seat warms up.
If a higher temperature is preferred, press the HI side of the switch, and for a lower temperature, press the LO side.
When not using the seat warmer, set the switch to neutral with neither HI or LO depressed.



 *Some models.

Information Provided by: DEALER E-PROCESS

⚠ WARNING

- *Be careful when using the seat warmer. The heat from the seat warmer may be too hot for some people, as indicated below, and could cause a low-temperature burn.*
  - *Infants, small babies, elderly people, and physically challenged people*
  - *People with delicate skin*
  - *People who are excessively fatigued*
  - *People who are intoxicated*
  - *People who have taken sleep-inducing medicine such as sleeping pills or cold medicine*
- *Do not use the seat warmer with anything having high moisture-retention ability such as a blanket or cushion on the seat. The seat may be heated excessively and cause a low-temperature burn.*
- *Do not use the seat warmer even when taking a short nap in the vehicle. The seat may be heated excessively and cause a low-temperature burn.*
- *Do not place heavy objects with sharp projections on the seat, or insert needles or pins into it. This could cause the seat to become excessively heated and result in injury from a minor burn.*

⚠ CAUTION

Do not use organic solvents to clean the seat. It may damage the seat surface and the heater.

NOTE

- *Use the seat warmer when the engine is running, and do not continue to use it for a long period of time.*
- *The temperature of the seat warmer cannot be adjusted beyond High and Low because the seat warmer is controlled by a thermostat.*

Information Provided by: DEALER E-PROCESS

Seat Belt Precautions

Seat belts help to decrease the possibility of severe injury during accidents and sudden stops. Mazda recommends that the driver and all passengers always wear seat belts.

All of the seat belt retractors are designed to keep the lap/shoulder belts out of the way when not in use.

The driver's seat belt has no provisions for child-restraint systems and has only an emergency locking mode. The driver may wear it comfortably, and it will lock during a collision.

However, the front passenger's seat and all rear lap/shoulder belt retractors operate in two modes: emergency locking mode, and for child-restraint systems, automatic locking mode. While we recommend you put all children in the rear seats, if you must use the front passenger seat for a child, slide the front passenger seat as far back as possible and make sure any child-restraint system is secured properly.

Information Provided by: DEALER E-PROCESS

⚠ WARNING

Always wear your seat belt and make sure all occupants are properly restrained:

Not wearing a seat belt is extremely dangerous. During a collision, occupants not wearing seat belts could hit someone or things inside the vehicle or even be thrown out of the vehicle. They could be seriously injured or even killed. In the same collision, occupants wearing seat belts would be much safer.

Do not wear twisted seat belts:

Twisted seat belts are dangerous. In a collision, the full width of the belt is not available to absorb the impact. This puts more force on the bones beneath the belt, which could cause serious injury or death. So, if your seat belt is twisted, you must straighten the seat belt to remove any twists and to allow the full width of the belt to be used.

Never use one seat belt on more than one person at a time:

Using one seat belt for more than one person at a time is dangerous. A seat belt used in this way cannot spread the impact forces properly and the two passengers could be crushed together and seriously injured or even killed. Never use one belt for more than one person at a time and always operate the vehicle with each occupant properly restrained.

Do not operate a vehicle with a damaged seat belt:

Using a damaged seat belt is dangerous. An accident could damage the belt webbing of the seat belt in use. A damaged seat belt cannot provide adequate protection in a collision. Have an Authorized Mazda Dealer inspect all seat belt systems in use during an accident before they are used again.

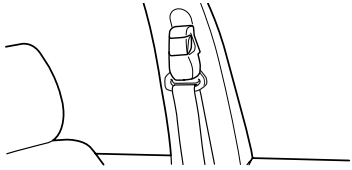
Have your seat belts changed immediately if the pretensioner or load limiter has been expended:

Always have an Authorized Mazda Dealer immediately inspect the front seat belt pretensioners and air bags after any collision. Like the air bags, the front seat belt pretensioners and load limiters will only function once and must be replaced after any collision that caused them to deploy. A seat belt with an expended pretensioner or load limiter is still better than wearing no seat belt at all; however, if the front seat belt pretensioners and load limiters are not replaced, the risk of injury in a collision will increase.

Information Provided by: DEALER E-PROCESS

⚠ CAUTION

Belt retraction may become difficult if the belts and rings are soiled, so try to keep them clean. For more details about cleaning the seat belts, refer to "Cleaning the Lap/Shoulder Belt Webbing" (page 8-60).



▼Pregnant Women and Persons with Serious Medical Conditions

Pregnant women should always wear seat belts. Ask your doctor for specific recommendations.
The lap belt should be worn SNUGLY AND AS LOW AS POSSIBLE OVER THE HIPS. The shoulder belt should be worn across your shoulder properly, but never across the stomach area.
Persons with serious medical conditions also should wear seat belts. Check with your doctor for any special instructions regarding specific medical conditions.

▼Emergency Locking Mode

In the emergency locking mode, the belt remains comfortable on the occupant and the retractor will lock in position during a collision. When the seat belt is fastened, it will always be in the emergency locking mode until it is switched to automatic locking mode by pulling it all the way out to its full length. If the belt feels tight and hinders comfortable movement while the vehicle is stopped or in motion, it may be in the automatic locking mode because the belt has been pulled too far out. To return the belt to the more comfortable emergency locking mode, wait until the vehicle has stopped in a safe, level area, retract the belt fully to convert it back to emergency locking mode and then extend it around you again.
If the belt is locked and cannot be pulled out, retract the belt once, and then try pulling it out slowly. If this fails, pull the belt strongly one time and loosen, then pull it out again slowly.

Information Provided by: DEALER E-PROCESS

▼Automatic Locking Mode

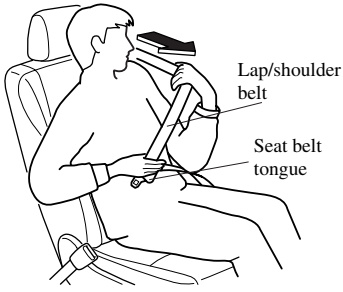
Always use the automatic locking mode to keep the child-restraint system from shifting to an unsafe position in the event of an accident. To enable seat belt automatic locking mode, pull it all the way out and connect it as instructed on the child-restraint system. It will retract down to the child-restraint system and stay locked on it. See the section on child restraint (page 2-26).

Information Provided by: DEALER E-PROCESS

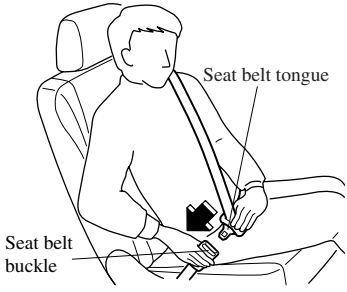
Seat Belt

▼Fastening the Seat Belt

1. Grasp the seat belt tongue.
2. Slowly pull out the lap/shoulder belt.



3. Insert the seat belt tongue into the seat belt buckle until you hear a click sound.

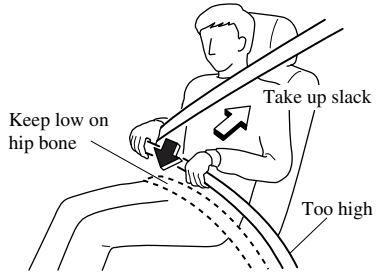


⚠WARNING

Positioning the Shoulder Portion of the Seat Belt:

Improper positioning of the shoulder portion of the seat belt is dangerous. Always make sure the shoulder portion of the seat belt is positioned across your shoulder and near your neck, but never under your arm, on your neck, or on your upper arm.

4. Position the lap belt as low as possible, not on the abdominal area, then adjust the shoulder belt so that it fits snugly against your body.



⚠WARNING

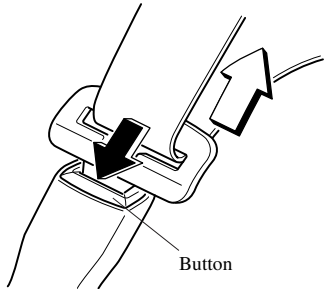
Positioning the Lap Portion of the Seat Belt:

The lap portion of the seat belt worn too high is dangerous. In a collision, this would concentrate the impact force directly on the abdominal area, causing serious injury. Wear the lap portion of the belt snugly and as low as possible.

Information Provided by: DEALER E-PROCESS

▼Unfastening the Seat Belt

Depress the button on the seat belt buckle. If the belt does not fully retract, pull it out and check for kinks or twists. Then make sure it remains untwisted as it retracts.

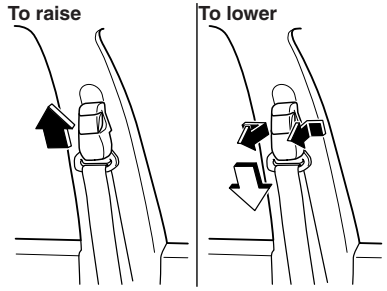


NOTE

If a belt does not fully retract, inspect it for kinks and twists. If it is still not retracting properly, have it inspected at an Authorized Mazda Dealer.

▼Front Shoulder Belt Adjuster

Adjust the height of the shoulder belt if the seat belt touches your neck, or if it crosses your arm instead of your shoulder. To raise the shoulder belt adjuster, push the adjuster up. To lower the shoulder belt adjuster, pull the adjuster and slide it down. Make sure the adjuster is locked.



⚠ WARNING

Positioning the Shoulder Portion of the Seat Belt:

Improper positioning of the shoulder portion of the seat belt is dangerous. Always make sure the shoulder portion of the seat belt is positioned across your shoulder and near your neck, but never under your arm, on your neck, or on your upper arm.

Information Provided by: DEALER E-PROCESS

Front Seat Belt Pretensioner and Load Limiting Systems

For optimum protection, the driver and front passenger seat belts are equipped with pretensioner and load limiting systems. For both these systems to work properly you must wear the seat belt properly.

Pretensioners:
In moderate or severe frontal or near-frontal accidents, the front air bag and pretensioner systems deploy simultaneously. The front seat belt retractors remove slack quickly as the air bags are expanding. Any time the air bags and front seat belt pretensioners have deployed they must be replaced.
(With Driver and Front Passenger Occupant Classification System)
In addition, the pretensioner system for the front passenger, like the front passenger air bag, is designed to only deploy in accordance with the total seated weight on the front passenger seat.
For details, refer to the front passenger seat weight sensors (page 2-54).

Load limiter:
The load limiting system releases belt webbing in a controlled manner to reduce belt force on the occupant's chest. While the most severe load on a seat belt occurs in frontal collisions, the load limiter has an automatic mechanical function and can activate in any accident mode with sufficient occupant movement.
Even if the pretensioners have not deployed, the load limiting function must be checked by an Authorized Mazda Dealer after any collision.

⚠ WARNING

Wear seat belts only as recommended in this owner's manual:

Incorrect positioning of the driver and front passenger seat belts is dangerous. Without proper positioning, the pretensioner and load limiting systems cannot provide adequate protection in an accident and this could result in serious injury. For more details about wearing seat belts, refer to "Fastening the seat belts" (page 2-18).

Have your seat belts changed immediately if the pretensioner or load limiter has been expended:

Always have an Authorized Mazda Dealer immediately inspect the front seat belt pretensioners and air bags after any collision. Like the air bags, the front seat belt pretensioners and load limiters will only function once and must be replaced after any collision that caused them to deploy. A seat belt with an expended pretensioner or load limiter is still better than wearing no seat belt at all; however, if the front seat belt pretensioners and load limiters are not replaced, the risk of injury in a collision will increase.

Information Provided by: DEALER E-PROCESS

Do not modify the components or wiring, or use electronic testing devices on the pretensioner system:

Modifying the components or wiring of the pretensioner system, including the use of electronic testing devices is dangerous. You could accidentally activate it or make it inoperable which would prevent it from activating in an accident. The occupants or repairers could be seriously injured.

Properly dispose of the pretensioner system:

Improper disposal of the pretensioner system or a vehicle with non-deactivated pretensioners is dangerous. Unless all safety procedures are followed, injury could result. Ask an Authorized Mazda Dealer how to safely dispose of the pretensioner system or how to scrap a pretensioner-equipped vehicle.

NOTE

- *The pretensioner system will activate in a moderate or greater frontal or near-frontal collision. It will not activate in most rollovers, side or rear impacts.*
  (With Driver and Front Passenger Occupant Classification System)
  The pretensioner system for the front passenger is designed to only deploy in accordance with the total seated weight on the front passenger seat.
- *Some smoke (non-toxic gas) will be released when the air bags and pretensioners deploy. This does not indicate a fire. This gas normally has no effect on occupants, however, those with sensitive skin may experience light skin irritation. If residue from the deployment of the air bags or the front pretensioner system gets on the skin or in the eyes, wash it off as soon as possible.*

▼Air Bag/Front Seat Belt Pretensioner System Warning Light

If the air bag/front seat belt pretensioner system is working properly, the warning light illuminates when the ignition is switched ON or after the engine is cranked. The warning light turns off after a specified period of time.

Information Provided by: DEALER E-PROCESS

A system malfunction is indicated if the warning light constantly flashes, constantly illuminates or does not illuminate at all when the ignition is switched ON. If any of these occur, consult an Authorized Mazda Dealer as soon as possible. The system may not operate in an accident.

⚠ WARNING

Never tamper with the air bag/ pretensioner systems and always have an Authorized Mazda Dealer perform all servicing and repairs:

Self-servicing or tampering with the systems is dangerous. An air bag/ pretensioner could accidentally activate or become disabled causing serious injury or death.

▼Air Bag/Front Seat Belt Pretensioner System Warning Beep

If a malfunction is detected in the air bag/ front seat belt pretensioner systems and the warning light, a warning beep sound will be heard for about 5 seconds every minute.

The air bag and seat belt pretensioner system warning beep sound will continue to be heard for approximately 35 minutes. Have your vehicle inspected at an Authorized Mazda Dealer as soon as possible.

⚠ WARNING

Do not drive the vehicle with the air bag/front seat belt pretensioner system warning beep sounding:

Driving the vehicle with the air bag/ front seat belt pretensioner system warning beep sounding is dangerous. In a collision, the air bags and the front seat belt pretensioner system will not deploy and this could result in death or serious injury. Contact an Authorized Mazda Dealer to have the vehicle inspected as soon as possible.

Information Provided by: DEALER E-PROCESS

Seat Belt Extender

If your seat belt is not long enough, even when fully extended, a seat belt extender may be available to you at no charge from your Authorized Mazda Dealer.
This extender will be only for you and for the particular vehicle and seat. Even if it plugs into other seat belts, it may not hold in the critical moment of a crash.
When ordering an extender, only order one that provides the necessary additional length to fasten the seat belt properly.
Please contact your Authorized Mazda Dealer for more information.

⚠ WARNING

Do not use a seat belt extender unless it is necessary:

Using a seat belt extender when not necessary is dangerous. The seat belt will be too long and not fit properly. In an accident, the seat belt will not provide adequate protection and you could be seriously injured. Only use the extender when it is required to fasten the seat belt properly.

Do not use an improper extender:

Using a seat belt extender that is for another person or a different vehicle or seat is dangerous. The seat belt will not provide adequate protection and the user could be seriously injured in an accident. Only use the extender provided for you and for the particular vehicle and seat. NEVER use the extender in a different vehicle or seat. If you sell your Mazda, do not leave your seat belt extender in the vehicle. It could be used accidentally by the new owner of the vehicle. After removing the seat belt extender, discard it. Never use the seat belt extender in any other vehicle you may own in the future.

Do not use an extender that is too long:

Using an extender that is too long is dangerous. The seat belt will not fit properly. In an accident, the seat belt will not provide adequate protection and you could be seriously injured. Do not use the extender or choose one shorter in length if the distance between the extender's buckle and the center of the user's body is less than 15 cm (6 in).

Information Provided by: DEALER E-PROCESS

Do not leave a seat belt extender connected to the buckle:

Leaving a seat belt extender connected to the buckle without using the seat belt is dangerous. When the seat belt extender is connected to the driver's seat belt buckle (or front passenger) seat, the SRS driver's (or front passenger's) air bag system will determine that the driver (or front passenger) is wearing the seat belt even if the driver (or front passenger) is not wearing it. This condition could cause the driver's (or front passenger's) air bag to not activate correctly and result in death or serious injury in the event of collision. Always wear the seat belt with the seat belt extender.

Do not use the seat belt extender when installing a child-restraint system on the front or rear passenger seat:

Using a seat belt extender to fasten a child-restraint system on any seat is dangerous. Always follow the child-restraint system manufacturer's installation instructions and never use a seat belt extender.

NOTE

When not in use, remove the seat belt extender and store it in the vehicle. If the seat belt extender is left connected, the seat belt extender might get damaged as it will not retract with the rest of the seat belt and can easily fall out of the door when not in use and be damaged. In addition, the seat belt warning light will not illuminate and function properly.

Seat Belt Warning Light

With warning light for front passenger's seat

The seat belt warning light illuminates if the driver or front passenger's seat belt is not fastened (only when the front passenger seat is occupied) when the ignition is switched ON.

Without warning light for front passenger's seat

The seat belt warning light illuminates if the driver's seat belt is not fastened when the ignition is switched ON.

Information Provided by: DEALER E-PROCESS

Seat Belt Reminder

NOTE

Consult an Authorized Mazda Dealer to deactivate or restore the belt reminder. Though the belt reminder can be deactivated, doing so will defeat the purpose of the system to warn the driver and the front passenger in the event that their seat belts are not fastened. For the safety of the driver and front passenger, Mazda recommends not deactivating the belt reminder.

If the vehicle is driven with the driver or front passenger's seat belt unfastened, the seat belt warning light illuminates and a warning chime sounds.

NOTE

Some models do not have the seat belt reminder function for the front passenger's seat.

If the driver or front passenger's seat belt is unfastened (only when the front passenger seat is occupied) and the vehicle is driven at a speed faster than about 20 km/h (12 mph), the warning light will flash and a beep sound will be heard. After a short time, the warning light stops flashing, but remains illuminated, and the beep sound stops.

Until a seat belt is fastened or a given period of time has elapsed, the beep sound will not stop even if the vehicle speed falls below 20 km/h (12 mph).

NOTE

- *The warning light flashes and a beep sound will be heard for about 6 seconds if the driver's seat belt is not fastened when the ignition is switched ON.*
- *If a driver or front passenger's seat belt is not fastened after the beep sound turns off (warning light remains illuminated), and the vehicle speed exceeds 20 km/h (12 mph), the warning light flashes and beep sound activates again.*
- *Placing heavy items on the front passenger seat may cause the front passenger seat belt warning function to operate depending on the weight of the item.*
- *To allow the front passenger seat weight sensor to function properly, do not place and sit on an additional seat cushion on the front passenger seat. The sensor may not function properly because the additional seat cushion could cause sensor interference.*
- *When a small child sits on the front passenger seat, it is possible that the warning light will not operate.*

Information Provided by: DEALER E-PROCESS

Child Restraint Precautions

Mazda strongly urges the use of child-restraint systems for children small enough to use them.

You are required by law to use a child-restraint system for children in the U.S. and Canada. Check your local and state or provincial laws for specific requirements regarding the safety of children riding in your vehicle.

Whatever child-restraint system you consider, please pick the appropriate one for the age and size of the child, obey the law and follow the instructions that come with the individual child-restraint system.

A child who has outgrown child-restraint systems should sit in the rear and use seat belts, both lap and shoulder. If the shoulder belt crosses the neck or face, move the child closer to the center of the vehicle in the outboard seats, and towards the buckle on the right if the child is seated on the center seat.

Statistics confirm that the rear seat is the best place for all children up to 12 years of age, and more so with a supplemental restraint system (air bags).

A rear-facing child-restraint system should **NEVER** be used on the front seat with the air bag system activated. The front passenger's seat is also the least preferred seat for other child-restraint systems.

(With Driver and Front Passenger Occupant Classification System)
To reduce the chance of injuries caused by deployment of the front passenger air bag, the front passenger seat weight sensors work as a part of the supplemental restraint system. This system deactivates the front passenger front and side air bags and also the front passenger seat belt pretensioner system when the front passenger air bag deactivation indicator light illuminates.

When an infant or small child sits on the front passenger seat, the system shuts off the front passenger front and side air bags and seat belt pretensioner system, so make sure the front passenger air bag deactivation indicator light illuminates.

Even if the front passenger air bag is shut off, Mazda strongly recommends that children be properly restrained and child-restraint systems of all kinds are properly secured on the rear seats which are the best place for children.

For more details, refer to “Front passenger seat weight sensors” (page 2-54).

Information Provided by: DEALER E-PROCESS

⚠ WARNING

Use the correct size child-restraint system:

For effective protection in vehicle accidents and sudden stops, a child must be properly restrained using a seat belt or child-restraint system depending on age and size. If not, the child could be seriously injured or even killed in an accident.

Follow the manufacturer's instructions and always keep the child-restraint system buckled down:

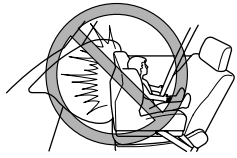
An unsecured child-restraint system is dangerous. In a sudden stop or a collision it could move causing serious injury or death to the child or other occupants. Make sure any child-restraint system is properly secured in place according to the child-restraint system manufacturer's instructions. When not in use, remove it from the vehicle or fasten it with a seat belt, or latch it down to BOTH LATCH lower anchors for LATCH child-restraint systems and the corresponding tether anchor.

Always secure a child in a proper child-restraint system:

Holding a child in your arms while the vehicle is moving is extremely dangerous. No matter how strong the person may be, he or she cannot hold onto a child in a sudden stop or collision and it could result in serious injury or death to the child or other occupants. Even in a moderate accident, the child may be exposed to air bag forces that could result in serious injury or death to the child, or the child may be slammed into an adult, causing injury to both child and adult.

Never use a rear-facing child-restraint system in the front seat with an air bag that could deploy:

Rear-facing child-restraint systems on the front seat are particularly dangerous even though you may feel assured that a front passenger air bag will not deploy based on the fact that the front passenger air bag deactivation indicator light illuminates. The child-restraint system can be hit by a deploying air bag and moved violently backward resulting in serious injury or death to the child.



Information Provided by: DEALER E-PROCESS

Child Restraint

Do not install a front-facing child-restraint system on the front passenger seat unless it is unavoidable:

In a collision, the force of a deploying air bag could cause serious injury or death to the child. If installing a front-facing child-restraint system on the front passenger seat is unavoidable, move the front passenger seat as far back as possible.

Seating a child in a child-restraint system on the front passenger seat is dangerous under certain conditions (With Driver and Front Passenger Occupant Classification System):

Your vehicle is equipped with front passenger seat weight sensors. Even with the front passenger seat weight sensors, if you must use the front passenger seat to seat a child, using a child-restraint system on the front passenger seat under the following conditions increases the danger of the front passenger air bag deploying and could result in serious injury or death to the child.

- *The front passenger air bag deactivation indicator light does not illuminate when seating a child in the child-restraint system.*
- *Luggage or other items are placed on the seat with the child in the child-restraint system.*
- *A rear passenger or luggage pushing or pulling down on the front passenger seatback.*
- *A rear passenger puts their feet on the front seat rails.*
- *Luggage or other items are placed on the seatback or hung on the head restraint.*
- *Heavy items are placed in the seatback map pocket.*
- *The seat is washed.*
- *Liquids are spilled on the seat.*
- *The front passenger seat is moved backward, pushing into luggage or other items placed behind it.*
- *The front passenger seatback contacts the rear seat.*
- *Luggage or other items are placed between the front passenger seat and driver seat.*
- *Any accessories, which might increase the total seated weight on the front passenger seat, are attached to the front passenger seat.*

The designated positions with seat belts on the rear seats are the safest places for children. Always use seat belts and child restraints.

Information Provided by: DEALER E-PROCESS

Do not allow a child or anyone to lean over or against the side window of a vehicle with side and curtain air bags:

It is dangerous to allow anyone to lean over or against the side window, the area of the front passenger seat, the front and rear window pillars and the roof edge along both sides from which the side and curtain air bags deploy, even if a child-restraint system is used. The impact of inflation from a side or curtain air bag could cause serious injury or death to an out of position child. Furthermore, leaning over or against the front door could block the side and curtain air bags and eliminate the advantages of supplemental protection. With the front air bag and the additional side air bag that comes out of the front seat, the rear seat is always a better location for children. Take special care not to allow a child to lean over or against the side window, even if the child is seated in a child-restraint system.

Never use one seat belt on more than one person at a time:

Using one seat belt for more than one person at a time is dangerous. A seat belt used in this way cannot spread the impact forces properly and the two passengers could be crushed together and seriously injured or even killed. Never use one belt for more than one person at a time and always operate the vehicle with each occupant properly restrained.

⚠ CAUTION

A seat belt or child-restraint system can become very hot in a closed vehicle during warm weather. To avoid burning yourself or a child, check them before you or your child touches them.

NOTE

Your Mazda is equipped with LATCH lower anchors for attachment of specially designed LATCH child-restraint systems in the rear seat. When using these anchors to secure a child-restraint system, refer to "LATCH Child-Restraint Systems" (page 2-37).

Information Provided by: DEALER E-PROCESS

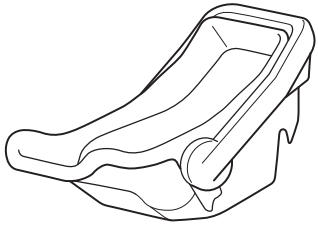
Child-Restraint System Installation Position

In this owner's manual, explanation of child-restraint systems is provided for the following three types of popular child-restraint systems: infant seat, child seat, booster seat.

NOTE

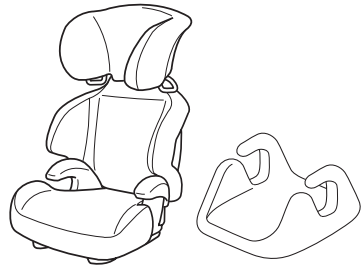
- *Installation position is determined by the type of child-restraint system. Always read the manufacturer's instructions and this owner's manual carefully.*
- *Due to variations in the design of child-restraint systems, vehicle seats and seat belts, all child-restraint systems may not fit all seating positions. Before purchasing a child-restraint system, it should be tested in the specific vehicle seating position (or positions) where it is intended to be used. If a previously purchased child-restraint system does not fit, you may need to purchase a different one that will.*

Infant seat
An infant seat provides restraint by bracing the infant's head, neck and back against the seating surface.



Child seat
A child seat restrains a child's body using the harness.

Booster seat
A booster seat is a child restraint accessory designed to improve the fit of the seat belt system around the child's body.



Information Provided by: DEALER E-PROCESS

Installing Child-Restraint Systems

Accident statistics reveal that a child is safer in the rear seat. The front passenger's seat is clearly the worst choice for any child under 12, and with rear-facing child-restraint systems it is clearly unsafe due to air bags.

NOTE

Even if your vehicle is equipped with front passenger seat weight sensors (page 2-54), which automatically deactivates the front passenger air bag, a rear seat is the safest place for a child of any age or size.

Some child-restraint systems now come with tethers and therefore must be installed on the seats that take tethers to be effective. In your Mazda, tethered child-restraint systems can only be accommodated in the three positions on the rear seat.

Some child-restraint systems also employ specially designed LATCH attachments; refer to “LATCH Child-Restraint Systems” (page 2-37).

⚠ WARNING

Tethered Child-Restraint Systems Work Only on Tether-Equipped Rear Seats:

Installation of a tether equipped child-restraint system in the front passenger's seat defeats the safety design of the system and will result in an increased chance of serious injury if the child-restraint system goes forward without benefit of being tethered.

Place tether equipped child-restraint systems where there are tether anchors.

▼Rear Seat Child-Restraint System Installation

Follow these instructions when using a child-restraint system, unless you are attaching a LATCH-equipped child-restraint system to the rear LATCH lower anchors. Refer to “LATCH Child-Restraint Systems” (page 2-37).

NOTE

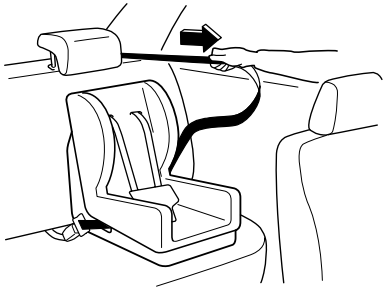
Follow the child-restraint system manufacturer's instructions carefully. If you are not sure whether you have a LATCH system or tether, check in the child-restraint system manufacturer's instructions and follow them accordingly. Depending on the type of child-restraint system, it may use LATCH system instead of seat belts or if the belt goes across the child's chest, may recommend against using automatic locking mode.

1. Raise the head restraint to the top locked position (except center seat position).
   Refer to Head Restraints on page 2-11.

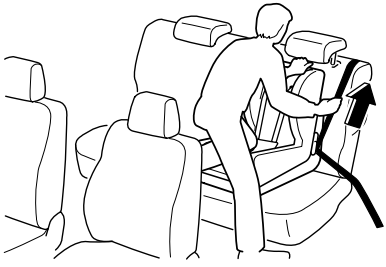
Information Provided by: DEALER E-PROCESS

Child Restraint

2. Secure the child-restraint system with the lap portion of the lap/shoulder belt. See the manufacturer's instructions on the child-restraint system for belt routing instructions.
3. To get the retractor into the automatic locking mode, pull the shoulder belt portion of the seat belt until the entire length of the belt is out of the retractor.



4. Push the child-restraint system firmly into the vehicle seat. Be sure the belt retracts as snugly as possible. A clicking noise from the retractor will be heard during retraction if the system is in the automatic locking mode. If the belt does not lock the seat down tight, repeat this step.

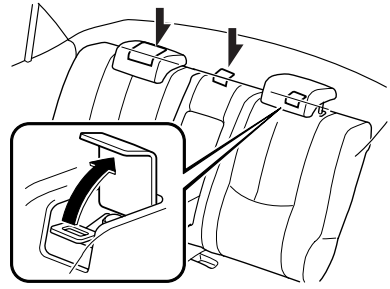


NOTE

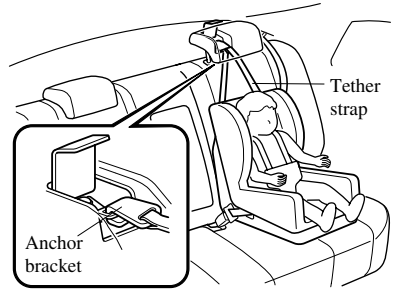
Inspect this function before each use of the child-restraint system. You should not be able to pull the shoulder belt out of the retractor while the system is in the automatic locking mode. When you remove the child-restraint system, be sure the belt fully retracts to return the system to emergency locking mode before occupants use the seat belts.

5. If your child-restraint system requires the use of a tether strap, refer to the manufacturer's instructions to hook and tighten the tether strap after raising the head restraint (except center position).

Anchor bracket location



Tether strap position



Information Provided by: DEALER E-PROCESS

⚠ WARNING

Use the tether and tether anchor only for a child-restraint system:

Using the tether or tether anchor to secure anything but a child-restraint system is dangerous. This could weaken or damage the tether or tether anchor and result in injury.

Always route the tether strap between the head restraint and the seatback (Except center seat position):

Routing the tether strap on top of the head restraint is dangerous. In a collision the tether strap could slide off the head restraint and loosen the child-restraint system. The child-restraint system could move which may result in death or injury to the child.

Always attach the tether strap to the correct tether anchor position:

Attaching the tether strap to the incorrect tether anchor position is dangerous. In a collision, the tether strap could come off and loosen the child-restraint system. If the child-restraint system moves it could result in death or injury to the child.

▼If You Must Use the Front Seat for Children

If you cannot put all children in the rear seat, at least put the smallest children in the rear and be sure the largest child up front uses the shoulder belt over the shoulder.
NEVER put a rear-facing child-restraint system on the front passenger seat whether your vehicle is equipped with a seat weight sensor or not.
This seat is also not set up for tethered child-restraint systems, put them in one of the rear seat positions set up with tether anchors.
Likewise the LATCH child-restraint system cannot be secured in the front passenger's seat and should be used in the rear seat.
Do not allow anyone to sleep against the side window if you have an optional side and curtain air bags, it could cause serious injuries to an out of position occupant. As children more often sleep in cars, it is better to put them in the rear seat. If installing the child-restraint system on the front seat is unavoidable, follow these instructions when using a front-facing child-restraint system in the front passenger's seat.

NOTE

- *To check if your front seats have side air bags:*
  Mazda vehicles equipped with side air bag will have a "SRS AIRBAG" tag on the outboard shoulder of the front seats.
- *To check if your vehicle has curtain air bags:*
  Mazda vehicles equipped with curtain air bag will have an "SRS AIRBAG" marking on the window pillars along the roof edge.

Information Provided by: DEALER E-PROCESS

Child Restraint

⚠ WARNING

Always move the front passenger seat as far back as possible if installing a front-facing child-restraint system on it is unavoidable:

As your vehicle has front air bags and doubly so because your vehicle has side air bags, a front-facing child-restraint system should be put on the front passenger seat only when it is unavoidable.
Even if the front passenger air bag deactivation indicator light illuminates, always move the seat as far back as possible, because the force of a deploying air bag could cause serious injury or death to the child.

Never use a rear-facing child-restraint system in the front seat with an air bag that could deploy:

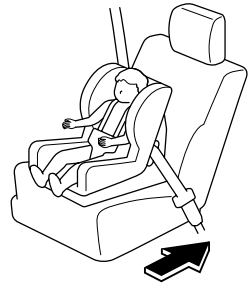
Rear-facing child-restraint systems on the front seat are particularly dangerous.
Even in a moderate collision, the child-restraint system can be hit by a deploying air bag and moved violently backward resulting in serious injury or death to the child. Even though you may feel assured that the front passenger air bag will not deploy based on the fact that the front passenger air bag deactivation indicator light illuminates, you should not use a rear-facing child-restraint system in the front seat.

Do not allow a child or anyone to lean over or against the side window of a vehicle with side and curtain air bags:

It is dangerous to allow anyone to lean over or against the side window, the area of the front passenger seat, the front and rear window pillars and the roof edge along both sides from which the side and curtain air bags deploy, even if a child-restraint system is used. The impact of inflation from a side or curtain air bag could cause serious injury or death to an out of position child. Furthermore, leaning over or against the front door could block the side and curtain air bags and eliminate the advantages of supplemental protection. With the front air bag and the additional side air bag that comes out of the front seat, the rear seat is always a better location for children. Take special care not to allow a child to lean over or against the side window, even if the child is seated in a child-restraint system.

▼Front Passenger's Seat Child-Restraint System Installation

1. Switch the ignition ON.
2. Slide the seat as far back as possible.



Information Provided by: DEALER E-PROCESS

3. Place the child-restraint system on the seat without putting your weight on the seat and fasten the seat belt. See the manufacturer's instructions on the child-restraint system for belt routing instructions.
4. To get the retractor into the automatic locking mode, pull the shoulder belt portion of the seat belt until the entire length of the belt is out of the retractor.
5. Push the child-restraint system firmly into the vehicle seat. Be sure the belt retracts as snugly as possible. A clicking noise from the retractor will be heard during retraction if the system is in automatic locking mode. If the belt does not lock the seat down tight, repeat the previous step and also this one.

NOTE

- *Inspect this function before each use of the child-restraint system. You should not be able to pull the shoulder belt out of the retractor while the system is in the automatic locking mode. When you remove the child-restraint system, be sure the belt fully retracts to return the system to emergency locking mode before occupants use the seat belts.*
- *Follow the child-restraint system manufacturer's instructions carefully. Depending on the type of child-restraint system, it may not employ seat belts which are in automatic locking mode.*

6. Seat your child safely in the child-restraint system and secure the child according to the instructions from the child-restraint system manufacturer.
7. **(With Driver and Front Passenger Occupant Classification System)**
   Make sure the front passenger air bag deactivation indicator light illuminates after installing a child-restraint system on the front passenger seat.
   If the front passenger air bag deactivation indicator light does not illuminate, remove the child-restraint system, switch the ignition to OFF or ACC, and then re-install the child-restraint system.
   Refer to Front Passenger Seat Weight Sensors on page 2-54.

Information Provided by: DEALER E-PROCESS

⚠ WARNING

Do not seat a child in a child-restraint system on the front passenger seat if the front passenger air bag deactivation indicator light does not illuminate (With Driver and Front Passenger Occupant Classification System):

*While it is always better to install any child-restraint system on the rear seat, it is imperative that a child-restraint system **ONLY** be used on the front passenger seat if the deactivation indicator light illuminates when the child is seated in the child-restraint system (page 2-54). Seating a child in a child-restraint system installed on the front passenger seat with the front passenger air bag deactivation indicator light not illuminated is dangerous. If this indicator light does not illuminate, this means that the front passenger front and side air bags, and seat belt pretensioner are ready for deployment. If an accident were to deploy an air bag, a child in a child-restraint system sitting in the front passenger seat could be seriously injured or killed. If the indicator light does not illuminate after seating a child in a child-restraint system on the front passenger seat, seat a child in a child-restraint system on the rear seat and consult an Authorized Mazda Dealer as soon as possible.*

Information Provided by: DEALER E-PROCESS

LATCH Child-Restraint Systems

Your Mazda is equipped with LATCH lower anchors for attachment of specially designed LATCH child-restraint systems in the rear seat. Both anchors must be used, otherwise the seat will bounce around and put the child in danger. Most LATCH child-restraint systems must also be used in conjunction with a tether to be effective. If they have a tether you must use it to better assure your child's safety.

⚠ WARNING

Follow the manufacturer's instructions for the use of the child-restraint system:

An unsecured child-restraint system is dangerous. In a sudden stop or a collision it could move causing serious injury or death to the child or other occupants. Make sure the child-restraint system is properly secured in place according to the child-restraint system manufacturer's instructions.

Never attach two child-restraint systems to the same LATCH lower anchor:

Attaching two child-restraint systems to the same LATCH lower anchor is dangerous. In a collision, one anchor may not be strong enough to hold two child-restraint system attachments, and it may break, causing serious injury or death. If you use the seat position for another child-restraint system when an outboard LATCH position is occupied, use the center seat belts instead, and the tether if tether-equipped.

Make sure the child-restraint system is properly secured:

An unsecured child-restraint system is dangerous. In a sudden stop or a collision it could move causing serious injury or death to the child or other occupants. Follow the child-restraint system manufacturer's instructions on belt routing to secure the seat just as you would with a child in it so that nobody is tempted to put a child in an improperly secured seat later on. When not in use, remove it from the vehicle or fasten it with a seat belt, or latch it down to BOTH LATCH lower anchors for LATCH child-restraint systems.

Make sure there are no seat belts or foreign objects near or around the LATCH child-restraint system:

Not following the child-restraint system manufacturer's instructions when installing the child-restraint system is dangerous. If seat belts or a foreign object prevent the child-restraint system from being securely attached to the LATCH lower anchors and the child-restraint system is installed improperly, the child-restraint system could move in a sudden stop or collision causing serious injury or death to the child or other occupants. When installing the child-restraint system, make sure there are no seat belts or foreign objects near or around the LATCH lower anchors. Always follow the child-restraint system manufacturer's instructions.

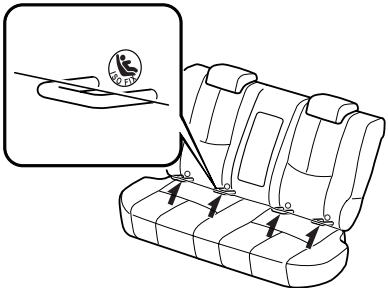
NOTE

To install a child-restraint system on the rear-seat center position, use a seat belt-secured child-restraint system.

Information Provided by: DEALER E-PROCESS

▼LATCH Child-Restraint System Installation Procedure (Rear Outboard Seats)

1. Make sure the seatback is securely latched by pushing it back until it is fully locked.
2. Expand the area between the seat bottom and the seatback slightly to verify the locations of the LATCH lower anchors.

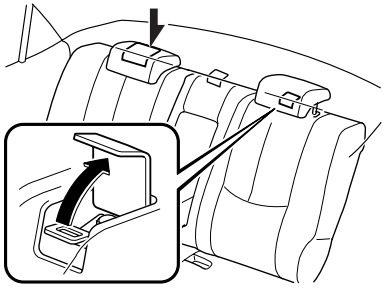


NOTE

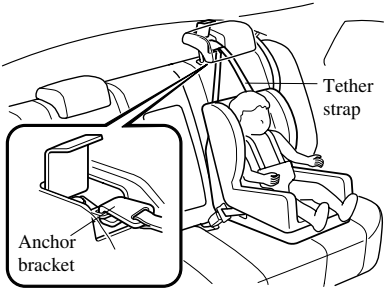
The markings above the LATCH lower anchors indicate the locations of LATCH lower anchors for the attachment of a child-restraint system.

3. Raise the head restraint to the top locked position.
   Refer to Head Restraints on page 2-11.
4. Secure the child-restraint system using BOTH LATCH lower anchors, following the child-restraint system manufacturer's instruction. Pull on the child-restraint to be sure both anchors are engaged.
5. If your child-restraint system came equipped with a tether, that means it is very important to properly secure the tether for child safety. Please carefully follow the child-restraint system manufacturer's instructions when installing tethers.

Anchor bracket location



Tether strap position



Information Provided by: DEALER E-PROCESS

⚠ WARNING

Use the tether and tether anchor only for a child-restraint system:

Using the tether or tether anchor to secure anything but a child-restraint system is dangerous. This could weaken or damage the tether or tether anchor and result in injury.

Always route the tether strap between the head restraint and the seatback:

Routing the tether strap on top of the head restraint is dangerous. In a collision the tether strap could slide off the head restraint and loosen the child-restraint system. The child-restraint system could move which may result in death or injury to the child.

Always attach the tether strap to the correct tether anchor position:

Attaching the tether strap to the incorrect tether anchor position is dangerous. In a collision, the tether strap could come off and loosen the child-restraint system. If the child-restraint system moves it could result in death or injury to the child.

▼LATCH Child-Restraint System Installation Procedure (Rear Center Seat)

The LATCH lower anchors at the center of the rear seat are much further apart than the sets of LATCH lower anchors for child-restraint system installation at other seating positions. Child-restraint systems with rigid LATCH attachments cannot be installed on the center seating position. Some LATCH equipped child-restraint systems can be placed in the center position and will reach the nearest LATCH lower anchors which are 466 mm (18.35 in) apart. LATCH compatible child-restraint systems (with attachments on belt webbing) can be used at this seating position only if the child-restraint system manufacturer's instructions state that the child-restraint system can be installed to LATCH lower anchors that are 466 mm (18.35 in) apart. Do not attach two child-restraint systems to the same LATCH lower anchor. If your child-restraint system has a tether, it must also be used for your child's optimum safety.

Information Provided by: DEALER E-PROCESS

Child Restraint

⚠ WARNING

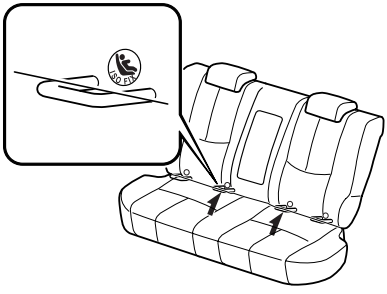
Use the tether and tether anchor only for a child-restraint system:

Using the tether or tether anchor to secure anything but a child-restraint system is dangerous. This could weaken or damage the tether or tether anchor and result in injury.

Always attach the tether strap to the correct tether anchor position:

Attaching the tether strap to the incorrect tether anchor position is dangerous. In a collision, the tether strap could come off and loosen the child-restraint system. If the child-restraint system moves it could result in death or injury to the child.

1. Make sure the seatback is securely latched by pushing it back until it is fully locked.
2. Expand the area between the seat bottom and the seatback slightly to verify the locations of the LATCH lower anchors.

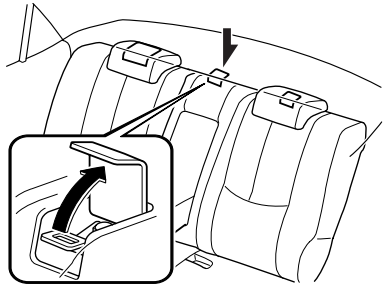


NOTE

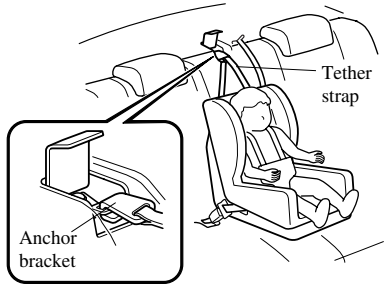
The markings above the LATCH lower anchors indicate the locations of LATCH lower anchors for the attachment of a child-restraint system.

3. Secure the child-restraint system using BOTH LATCH lower anchors, following the child-restraint system manufacturer's instructions. Pull on the child-restraint to be sure both anchors are engaged.
4. If your child-restraint system came equipped with a tether, that means it is very important to properly secure the tether for child safety. Please carefully follow the child-restraint system manufacturer's instructions when installing tethers.

Anchor bracket location



Tether strap position



Information Provided by: DEALER E-PROCESS

Supplemental Restraint System (SRS) Precautions

The front and side supplemental restraint systems (SRS) include 6 air bags. **Please verify the air bags equipped on your vehicle by locating the "SRS AIRBAG" location indicators.** These indicators are visible in the area where the air bags are installed.
The air bags are installed in the following locations:

- The steering wheel hub (driver air bag)
- The front passenger dashboard (front passenger air bag)
- The outboard sides of the front seatbacks (side air bags)
- The front and rear window pillars, and the roof edge along both sides (curtain air bags)

The air bag supplemental restraint systems are designed to provide supplemental protection in certain situations, so seat belts are always important in the following ways:

Without seat belt usage, the air bags cannot provide adequate protection during an accident. Seat belt usage is necessary to:

- Keep the occupant from being thrown into an inflating air bag.
- Reduce the possibility of injuries during an accident that is not designed for air bag inflation, such as roll-over or rear impact.
- Reduce the possibility of injuries in frontal, near frontal, side collisions that are not severe enough to activate the air bags.
- Reduce the possibility of being thrown from your vehicle.
- Reduce the possibility of injuries to lower body and legs during an accident because the air bags provide no protection to these parts of the body.
- Hold the driver in a position which allows better control of the vehicle.

Information Provided by: DEALER E-PROCESS

SRS Air Bags

If your vehicle is also equipped with a driver and front passenger occupant classification system, refer to the Driver and Front Passenger Occupant Classification System (page 2-54) for details.

If your vehicle is equipped with a driver and front passenger occupant classification system, the front passenger air bag deactivation indicator light illuminates for a specified time after the ignition is switched ON.

Small children must be protected by a child-restraint system as stipulated by law in every state and province. In certain states and provinces, larger children must use a child-restraint system (page 2-26).

Carefully consider which child-restraint system is necessary for your child and follow the installation directions in this Owner's Manual as well as the child-restraint system manufacturer's instructions.

⚠ WARNING

Seat belts must be worn in air bag equipped vehicles:

Depending only on the air bags for protection during an accident is dangerous. Alone, air bags may not prevent serious injuries. The appropriate air bags can be expected to inflate only in the first accident, such as frontal, near frontal, side collisions that are at least moderate. Vehicle occupants should always wear seat belts.

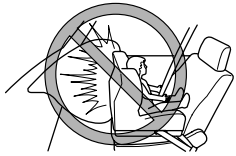
Children should not ride in the front passenger seat:

Placing a child, 12 years or under, in the front seat is dangerous. The child could be hit by a deploying air bag and be seriously injured or even killed. Even if the front passenger air bag deactivation indicator light illuminates, always move the front passenger seat as far back as possible. A sleeping child is more likely to lean against the door and be hit by the side air bag in a moderate collision to the front-passenger side of the vehicle. Whenever possible, always secure a child 12 years and under on the rear seat with an appropriate child-restraint system for the child's age and size.

Information Provided by: DEALER E-PROCESS

Never use a rear-facing child-restraint system in the front seat with an air bag that could deploy:

Rear-facing child-restraint systems on the front seat are particularly dangerous even though you may feel assured that a front passenger air bag will not deploy based on the fact that the front passenger air bag deactivation indicator light illuminates. The child-restraint system can be hit by a deploying air bag and moved violently backward resulting in serious injury or death to the child.



Do not sit too close to the driver and front passenger air bags:

Sitting too close to the driver and front passenger air bag modules or placing hands or feet on them is extremely dangerous. The driver and front passenger air bags inflate with great force and speed. Serious injuries could occur if someone is too close. The driver should always hold onto only the rim of the steering wheel. The front seat passenger should keep both feet on the floor. Front seat occupants should adjust their seats as far back as possible and always sit upright against the seatbacks with seat belts worn properly.

Sit in the center of the seat and wear seat belts properly:

Sitting too close to the side air bag modules or placing hands on them, or sleeping up against the door or hanging out the windows is extremely dangerous. The side and curtain air bags inflate with great force and speed directly expanding along the door on the side the car is hit. Serious injury could occur if someone is sitting too close to the door or leaning against a window, or if rear seat occupants grab the sides of the front seatbacks. Give the side and curtain air bags room to work by sitting in the center of the seat while the vehicle is moving with seat belts worn properly.

Do not attach objects on or around the area where driver and front passenger air bags deploy:

Attaching an object to the driver and front passenger air bag modules or placing something in front of them is dangerous. In an accident, an object could interfere with air bag inflation and injure the occupants.

Information Provided by: DEALER E-PROCESS

Do not attach objects on or around the area where a side air bag deploys:
Attaching objects to the front seat in such a way as to cover the outboard side of the seat in any way is dangerous. In an accident the object could interfere with the side air bag, which inflates from the outboard side of the front seats, impeding the added protection of the side air bag system or redirecting the air bag in a way that is dangerous. Furthermore, the bag could be cut open releasing the gas.
Do not hang net bags, map pouches or backpacks with side straps on the front seats. Never use seat covers on the front seats. Always keep the side air bag modules in your front seats free to deploy in the event of a side collision.

Do not attach objects on or around the area where a curtain air bag deploys:
Attaching objects to the areas where the curtain air bag activates such as on the windshield glass, side door glass, front and rear window pillars and along the roof edge and assist grips is dangerous. In an accident the object could interfere with the curtain air bag, which inflates from the front and rear window pillars and along the roof edge, impeding the added protection of the curtain air bag system or redirecting the air bag in a way that is dangerous. Furthermore, the bag could be cut open releasing the gas.
Do not place hangers or any other objects on the assist grips. When hanging clothes, hang them on the coat hook directly. Always keep the curtain air bag modules free to deploy in the event of a side collision.

Do not place luggage or other objects under the front seats:
Placing luggage or other objects under the front seats is dangerous. The components essential to the supplemental restraint system could be damaged, and in the event of a side collision, the appropriate air bags may not deploy, which could result in death or serious injury. To prevent damage to the components essential to the supplemental restraint system, do not place luggage or other objects under the front seats.

Do not touch the components of the supplemental restraint system after the air bags have inflated:
Touching the components of the supplemental restraint system after the air bags have inflated is dangerous. Immediately after inflation, they are very hot. You could get burned.

Never install any front-end equipment to your vehicle:
Installation of front-end equipment, such as frontal protection bar (kangaroo bar, bull bar, push bar, or other similar devices), snowplow, or winches, is dangerous. The air bag crash sensor system could be affected. This could cause air bags to inflate unexpectedly, or it could prevent the air bags from inflating during an accident. Front occupants could be seriously injured.

Information Provided by: DEALER E-PROCESS

Do not modify the suspension:
Modifying the vehicle suspension is dangerous. If the vehicle's height or the suspension is modified, the vehicle will be unable to accurately detect a collision resulting in incorrect or unexpected air bag deployment and the possibility of serious injuries.

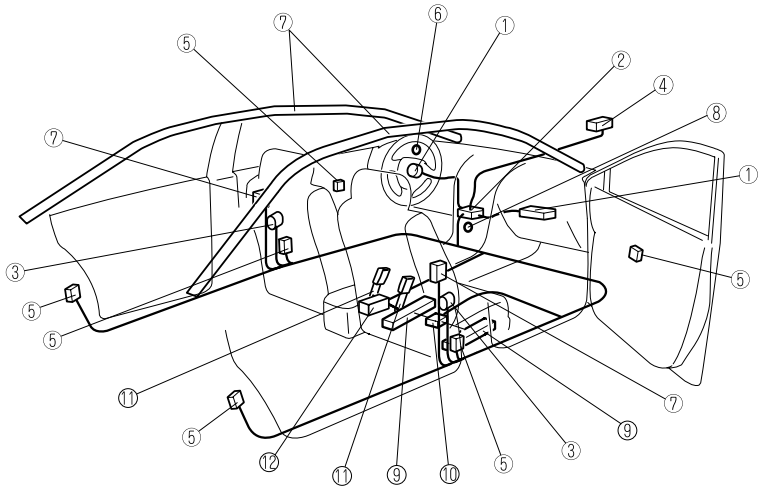
Do not drive with a damaged front door:
Driving with a damaged front door is dangerous. Each front door has a side crash sensor as a component of supplemental restraint system. If a door is damaged, the sensor could be affected and not operate correctly during a side collision. Have an Authorized Mazda Dealer inspect a damaged front door.

Do not modify the supplemental restraint system:
Modifying the components or wiring of the supplemental restraint system is dangerous. You could accidentally activate it or make it inoperable. Do not make any modifications to the supplemental restraint system. This includes installing trim, badges, or anything else over the air bag modules. It also includes installing extra electrical equipment on or near system components or wiring. An Authorized Mazda Dealer can provide the special care needed in the removal and installation of front seats. It is important to protect the air bag wiring and connections to assure that the bags do not accidentally deploy, the driver seat slide position sensor and front passenger seat weight sensors are not damaged and that the seats retain an undamaged air bag connection.

NOTE
- *When an air bag deploys, a loud inflation noise can be heard and some smoke will be released. Neither is likely to cause injury, however, the texture of the air bags may cause light skin injuries on body parts not covered with clothing through friction.*
- *Should you sell your Mazda, we urge you to tell the new owner of its air bag systems and that familiarization with all instructions about them, from the Owner's Manual, is important.*

Information Provided by: DEALER E-PROCESS

Supplemental Restraint System Components



① Driver/Front passenger inflators and air bags
② Crash sensor, and diagnostic module (SAS unit)
③ Front seat belt pretensioner and load limiting systems (page 2-20)
④ Front air bag sensor
⑤ Side crash sensors
⑥ Air bag/front seat belt pretensioner system warning light (page 2-49)
⑦ Side and curtain inflators and air bags
⑧ Front passenger air bag deactivation indicator light (page 2-54)
⑨ Front passenger seat weight sensors (page 2-54)
⑩ Front passenger seat weight sensor control module
⑪ Driver and front passenger seat belt buckle switches (page 2-58)
⑫ Driver seat slide position sensor (page 2-54)

NOTE
⑧ - ⑫ *are equipped only on models with the driver and front passenger occupant classification system.*

Information Provided by: DEALER E-PROCESS

How the SRS Air Bags Work

Your Mazda is equipped with the following types of SRS air bags. SRS air bags are designed to work together with the seat belts to help to reduce injuries during an accident. The SRS air bags are designed to provide further protection for passengers in addition to the seat belt functions. Be sure to wear seat belts properly.

▼Front Seat Belt Pretensioners

The front seat belt pretensioners are designed to deploy in moderate or severe frontal, near frontal collisions.

▼Driver Air Bag

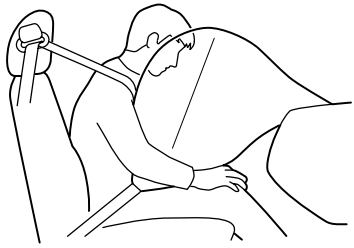
The driver's air bag is mounted in the steering wheel.
When air bag crash sensors detect a frontal impact of greater than moderate force, the driver's air bag inflates quickly helping to reduce injury mainly to the driver's head or chest caused by directly hitting the steering wheel.
For more details about air bag deployment, refer to “SRS Air Bag Deployment Criteria” (page 2-51).
(With Driver and Front Passenger Occupant Classification System)
The driver's dual-stage air bag controls air bag inflation in two energy stages. During an impact of moderate severity the driver's air bag deploys with lesser energy, whereas during more severe impacts, it deploys with more energy.

▼Front Passenger Air Bag

The front passenger air bag is mounted in the front passenger dashboard. The inflation mechanism for the front passenger air bag is the same as the driver's air bag, as mentioned above.
For more details about air bag deployment, refer to “SRS Air Bag Deployment Criteria” (page 2-51).

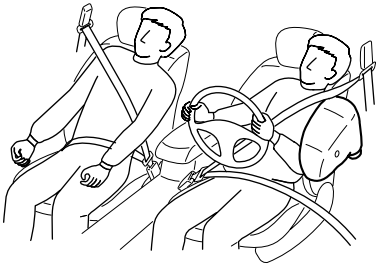
Information Provided by: DEALER E-PROCESS

(With Driver and Front Passenger Occupant Classification System)
In addition, the front passenger air bag is designed to only deploy in accordance with the total seated weight on the front passenger seat. For details, refer to the driver and front passenger occupant classification system (page 2-54).



▼Side Air Bags

The side air bags are mounted in the outboard sides of the front seatbacks.
When the air bag crash sensors detect a side impact of greater than moderate force, the system inflates the side air bag only on the side in which the vehicle was hit. The side air bag inflates quickly to reduce injury to the driver or front passenger's chest caused by directly hitting interior parts such as a door or window.
For more details about air bag deployment, refer to “SRS Air Bag Deployment Criteria” (page 2-51).
(With Driver and Front Passenger Occupant Classification System)
In addition, the front passenger side air bag is designed to only deploy in accordance with the total seated weight on the front passenger seat. For details, refer to the driver and front passenger occupant classification system (page 2-54).

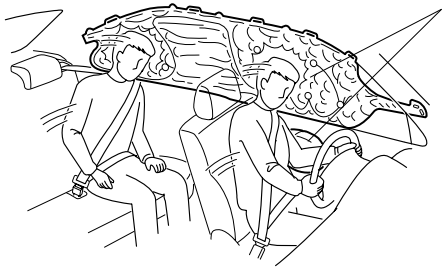


Information Provided by: DEALER E-PROCESS

▼Curtain Air Bags

The curtain air bags are mounted in the front and rear window pillars, and the roof edge along both sides.
When the air bag crash sensors detect a side impact of greater than moderate force, the curtain air bag inflates quickly and helps to reduce injury mainly to the rear outboard passenger's head caused by directly hitting interior parts such as a door or window.
For more details about air bag deployment, refer to “SRS Air Bag Deployment Criteria” (page 2-51).

In a side impact:
Greater than moderate impact to one side of the vehicle will cause the curtain air bag on that side only to inflate.



The side and curtain air bags will deploy only on the side the vehicle receives the force of the impact.

▼Air Bag/Front Seat Belt Pretensioner System Warning Light

If the air bag/front seat belt pretensioner system is working properly, the warning light illuminates when the ignition is switched ON or after the engine is cranked. The warning light turns off after a specified period of time.

A system malfunction is indicated if the warning light constantly flashes, constantly illuminates or does not illuminate at all when the ignition is switched ON. If any of these occur, consult an Authorized Mazda Dealer as soon as possible. The system may not operate in an accident.

Information Provided by: DEALER E-PROCESS

⚠ WARNING

Never tamper with the air bag/pretensioner systems and always have an Authorized Mazda Dealer perform all servicing and repairs:

Self-servicing or tampering with the systems is dangerous. An air bag/pretensioner could accidentally activate or become disabled causing serious injury or death.

▼Air Bag/Front Seat Belt Pretensioner System Warning Beep

If a malfunction is detected in the air bag/front seat belt pretensioner systems and the warning light, a warning beep sound will be heard for about 5 seconds every minute.

The air bag and seat belt pretensioner system warning beep sound will continue to be heard for approximately 35 minutes.
Have your vehicle inspected at an Authorized Mazda Dealer as soon as possible.

⚠ WARNING

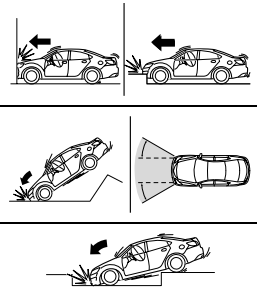
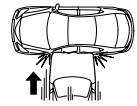
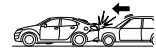
Do not drive the vehicle with the air bag/front seat belt pretensioner system warning beep sounding:

Driving the vehicle with the air bag/front seat belt pretensioner system warning beep sounding is dangerous. In a collision, the air bags and the front seat belt pretensioner system will not deploy and this could result in death or serious injury. Contact an Authorized Mazda Dealer to have the vehicle inspected as soon as possible.

Information Provided by: DEALER E-PROCESS

SRS Air Bag Deployment Criteria

This chart indicates the applicable SRS equipment that will deploy depending on the type of collision.
(The illustrations are the representative cases of collisions.)

	Types of collision		
	A severe frontal/near frontal collision	A severe side collision	A rear collision
SRS equipment			
Front seat belt pretensioner	X*1 (both sides)		No air bag and front seat belt pretensioner will be activated in a rear collision.
Driver air bag	X		
Front passenger air bag	X*1		
Side air bag		X*1 (impact side only)	
Curtain air bag		X (impact side only)	

X: The SRS air bag equipment is designed to deploy in a collision.
*1: **(With Driver and Front Passenger Occupant Classification System)**
The front passenger front and side air bags and the seat belt pretensioner are designed to deploy depending on the condition of the total seated weight on the front passenger seat.

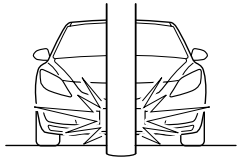
Information Provided by: DEALER E-PROCESS

Limitations to SRS Air Bag

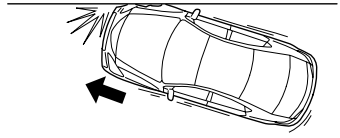
In severe collisions such as those described previously in “SRS Air Bag Deployment Criteria”, the applicable SRS air bag equipment will deploy. However, in some accidents, the equipment may not deploy depending on the type of collision and its severity.

Limitations to front/near front collision detection:
The following illustrations are examples of front/near front collisions that may not be detected as severe enough to deploy the SRS air bag equipment.

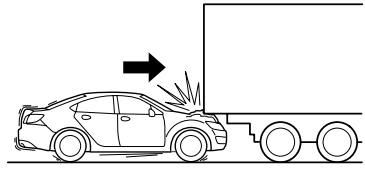
Impacts involving trees or poles



Frontal offset impact to the vehicle

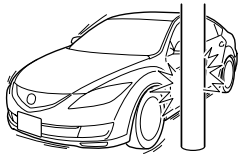


Rear-ending or running under a truck's tail gate



Limitations to side collision detection:
The following illustrations are examples of side collisions that may not be detected as severe enough to deploy the SRS air bag equipment.

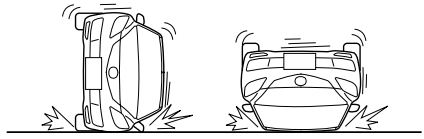
Side impacts involving trees or poles



Side impacts with two-wheeled vehicles

Information Provided by: DEALER E-PROCESS

Roll-over



Information Provided by:
DEALER E-PROCESS

Driver and Front Passenger Occupant Classification System*

First, please read “Supplemental Restraint System (SRS) Precautions” (page 2-41) carefully.

NOTE
This system is equipped on models for the U.S., Canadian and Puerto Rican markets.

▼Driver Seat Slide Position Sensor

Your vehicle is equipped with a driver seat slide position sensor as a part of the supplemental restraint system. The sensor is located under the driver seat. The sensor determines whether the driver seat is fore or aft of a reference position and sends the seat position to the diagnostic module (SAS unit). The SAS unit is designed to control the deployment of the driver air bag depending on how close the driver seat is to the steering wheel.
The air bag/front seat belt pretensioner system warning light flashes if the sensor has a possible malfunction (page 2-49).

▼Front Passenger Seat Weight Sensors

Your vehicle is equipped with a front passenger seat weight sensors as a part of the supplemental restraint system. These sensors are located under both of the front passenger seat rails. These sensors determine the total seated weight on the front passenger seat and monitor the seat belt buckle for the front passenger seat. The SAS unit is designed to prevent the front passenger front and side air bags and seat belt pretensioner system from deploying if the front passenger air bag deactivation indicator light illuminates.
To reduce the chance of injuries caused by deployment of the front passenger air bag, the system deactivates the front passenger front and side air bags and also the seat belt pretensioner system when the front passenger air bag deactivation indicator light illuminates. **Refer to the following table for the front passenger air bag deactivation indicator light illumination conditions.**

This system shuts off the front passenger front and side air bags and seat belt pretensioner system, so make sure the front passenger air bag deactivation indicator light illuminates according to the following table.

The air bag/front seat belt pretensioner system warning light flashes and the front passenger air bag deactivation indicator light illuminates if the sensors have a possible malfunction. If this happens, the front passenger front and side air bags and seat belt pretensioner system will not deploy.

Information Provided by: DEALER E-PROCESS

Front passenger air bag deactivation indicator light

This indicator light illuminates to remind you that the front passenger front and side air bags and seat belt pretensioner will not deploy during a collision.

If the front passenger weight sensors are normal, the indicator light illuminates when the ignition is switched ON. The light turns off after a few seconds.

The front passenger air bag deactivation indicator light illuminates or is off under the following conditions:

Condition detected by the front passenger occupant classification system	Front passenger air bag deactivation indicator light	Front passenger front and side air bags	Front passenger seat belt pretensioner system
Empty (Not occupied)*1	Off	Deactivated	Deactivated
Child or child-restraint system*2	On	Deactivated	Deactivated
Adult*3	Off	Ready	Ready

*1 : If the front passenger seat belt is buckled, the front passenger air bag deactivation indicator light illuminates, however this does not indicate a malfunction.
*2 : If a larger child sits on the front passenger seat, the sensors might detect the child as being an adult depending on the child's physique.
*3 : If a smaller adult sits on the front passenger seat, the sensors might detect the person as being a child depending on the person's physique.
The curtain air bag is ready for inflating despite the chart above.

If the front passenger air bag deactivation indicator light does not illuminate when the ignition is switched ON and does not illuminate as indicated in the above chart, do not allow a child to sit in the front passenger seat and consult an Authorized Mazda Dealer as soon as possible. The system may not work properly in an accident.

Information Provided by: DEALER E-PROCESS

⚠ WARNING

Do not decrease the total seated weight on the front passenger seat:

When an adult or large child sits on the front passenger seat, decreasing the total seated weight on the front passenger seat required for air bag deployment is dangerous. The front passenger seat weight sensors will detect the reduced total seated weight condition and the front passenger front and side air bags and seat belt pretensioner system will not deploy during an accident. The front passenger will not have the supplementary protection of the air bag, which could result in serious injury. Decreasing the total seated weight on the front passenger seat could result in an air bag not deploying under the following conditions, for example:

- *A rear passenger pushes up on the front passenger seat with their feet.*
- *Luggage or other items placed under the front passenger seat or between the front passenger seat and driver seat that push up the front passenger seat bottom.*
- *The front passenger seat occupant sits in a manner that does not place the entire weight of the occupant on the seat such as by sitting too close to the door, grasping the assist grip or the rim of the moonroof and sitting with the seatback reclined too far.*
- *Any accessories which might decrease the total seated weight on the front passenger seat are attached to the front passenger seat.*

The front passenger front and side air bags and seat belt pretensioner systems will deactivate if the front passenger air bag deactivation indicator light illuminates.

Information Provided by: DEALER E-PROCESS

Do not increase the total seated weight on the front passenger seat:

When an infant or small child sits on the front passenger seat, increasing the total seated weight on the front passenger seat is dangerous. The front passenger seat weight sensors will detect the increased total seated weight, which could result in the unexpected deployment of the front passenger front and side air bags and seat belt pretensioner system in an accident and may cause serious injury. Increasing the total seated weight on the front passenger seat could result in the front passenger front and side air bags and seat belt pretensioner system deployment in an accident under the following conditions, for example:

- *Luggage or other items are placed on the seat with the child in the child-restraint system.*
- *A rear passenger or luggage push or pull down on the front passenger seatback.*
- *A rear passenger steps on the front passenger seat rails with their feet.*
- *Luggage or other items are placed on the seatback or hung on the head restraint.*
- *Heavy items are placed in the seatback map pocket.*
- *The seat is washed.*
- *Liquids are spilled on the seat.*
- *The front passenger seat is moved backward, pushing into luggage or other items placed behind it.*
- *The front passenger seatback contacts the rear seat.*
- *Luggage or other items are placed between the front passenger seat and driver seat.*
- *Any accessories which might increase the total seated weight on the front passenger seat are attached to the front passenger seat.*

The front passenger front and side air bags and seat belt pretensioner systems will deactivate if the front passenger air bag deactivation indicator light illuminates.

⚠ CAUTION

- *To assure proper deployment of the front air bag and to prevent damage to the sensors in the front seat bottoms:*
  - *Do not place sharp objects on the front seat bottoms or leave heavy luggage on them.*
  - *Do not spill any liquids on the front seats or under the front seats.*
- *To allow the sensors to function properly, always perform the following:*
  - *Adjust the front seats as far back as possible and always sit upright against the seatbacks with seat belts worn properly.*
  - *If you place your child on the front passenger seat, secure the child-restraint system properly and slide the front passenger seat as far back as possible (page 2-34).*

Information Provided by: DEALER E-PROCESS

NOTE

- *The system requires about 10 seconds to alternate between turning the front passenger front and side air bags and seat belt pretensioner system on or off.*
- *The front passenger air bag deactivation indicator light may illuminate repeatedly if luggage or other items are put on the front passenger seat, or if the temperature of the vehicle's interior changes suddenly.*
- *The front passenger air bag deactivation indicator light may illuminate for 10 seconds if the total seated weight on the front passenger seat changes.*
- *The air bag/front seat belt pretensioner system warning light might illuminate if the front passenger seat receives a severe impact.*
- *If the front passenger air bag deactivation indicator light does not illuminate after installing a child-restraint system on the front passenger seat, first, re-install your child-restraint system according to the procedure in this owner's manual. Then, if the front passenger air bag deactivation indicator light still does not illuminate, install the child-restraint system on the rear seat and consult an Authorized Mazda Dealer as soon as possible.*
- *If the front passenger air bag deactivation indicator light illuminates when an adult is seated in the front passenger seat, have the passenger re-adjust their posture by sitting with their feet on the floor, and then re-fastening the seat belt. If the front passenger air bag deactivation indicator light still illuminates, move the passenger to the rear seat. If sitting in the rear seat is not possible, slide the front passenger seat as far back as possible.*

▼Driver and Front Passenger Buckle Switches

The buckle switches on the front seat belts detect whether or not the front seat belts are securely fastened and further control the deployment of the air bags.

Information Provided by: DEALER E-PROCESS

Monitoring and Maintenance

▼Constant Monitoring

The following components of the air bag systems are monitored by a diagnostic system:

- Crash sensors, and diagnostic module (SAS unit)
- Front air bag sensor
- Air bag modules
- Side crash sensors
- Air bag/Front seat belt pretensioner system warning light
- Front seat belt pretensioners
- Related wiring

(With Driver and Front Passenger Occupant Classification System)

- Front passenger air bag deactivation indicator light
- Driver seat slide position sensor
- Front passenger seat weight sensors
- Front passenger seat weight sensor control module

The diagnostic module continuously monitors the system's readiness. This begins when the ignition is switched ON and continues while the vehicle is being driven.

▼Maintenance

The air bag systems do not require regular maintenance. But if any of the following occurs, take your vehicle to an Authorized Mazda Dealer as soon as possible:

- The air bag system warning light flashes.
- The air bag system warning light remains illuminated.
- The air bag system warning light does not illuminate when the ignition is switched ON.
- The air bag system warning beep sound is heard.
- The air bags have deployed.
- **(With Driver and Front Passenger Occupant Classification System)**
  Front passenger air bag deactivation indicator light does not illuminate when the ignition is switched ON or does not illuminate as indicated in the chart. For more details about this indicator light and this chart, refer to “Front passenger seat weight sensors” (page 2-54).

Information Provided by: DEALER E-PROCESS

SRS Air Bags

⚠ WARNING

Do not operate a vehicle with damaged air bag/seat belt pretensioner system components:

Expended or damaged air bag/seat belt pretensioner system components must be replaced after any collision which caused them to deploy or damage them. Only a trained Authorized Mazda Dealer can fully evaluate these systems to see that they will work in any subsequent accident. Driving with an expended or damaged air bag or pretensioner unit will not afford you the necessary protection in the event of any subsequent accident which could result in serious injury or death.

Do not remove interior air bag parts:

Removing any components such as the front seats, front dashboard, the steering wheel or parts on the front and rear window pillars and along the roof edge, containing air bag parts or sensors is dangerous. These parts contain essential air bag components. The air bag could accidentally activate and cause serious injuries. Always have an Authorized Mazda Dealer remove these parts.

Dispose of the air bag properly:

Improper disposal of an air bag or a vehicle with live air bags in it can be extremely dangerous. Unless all safety procedures are followed, injury can result. Ask an Authorized Mazda Dealer how to safely dispose of an air bag or how to scrap an air bag equipped vehicle.

NOTE

If it becomes necessary to have the components or wiring system for the supplementary restraint system modified to accommodate a person with certain medical conditions in accordance with a certified physician, contact an Authorized Mazda Dealer, refer to "Customer Assistance (U.S.A.)" (page 9-2).

Information Provided by: DEALER E-PROCESS

3 Knowing Your Mazda

Explanation of basic operations and controls; opening/closing and adjustment of various parts.

Advanced Keyless Entry and Start System 3-2
Advanced Keys* 3-2
Operation Using Advanced Keyless Functions 3-7
Operation Using Advanced Key Functions 3-15
Advanced Key Suspend Function 3-19
Warning Lights and Beep Sounds 3-20
When Warning Indicator/Beep is Activated 3-23

Doors and Locks 3-24
Keys 3-24
Keyless Entry System 3-25
Door Locks 3-31
Trunk Lid 3-36
Inside Trunk Release Lever 3-39
Power Windows 3-40
Fuel-Filler Lid and Cap 3-43
Hood 3-45
Moonroof* 3-47

Security System 3-50
Immobilizer System (with Advanced Key) 3-50
Immobilizer System (without Advanced Key) 3-54
Theft-Deterrent System* 3-58

Steering Wheel and Mirrors 3-61
Steering Wheel 3-61
Mirrors 3-61

*Some models.

Information Provided by: DEALER E-PROCESS

Advanced Keyless Entry and Start System

Advanced Keys*

The advanced keyless functions (advanced keyless entry and start system) enable the following operations while the advanced key is being carried (page 3-7).

- Locking/unlocking the doors, and opening the trunk lid, without operating the key.
- Starting the engine without operating the key.

Additional functions are available using the buttons on the advanced key.
Refer to Operation Using Advanced Key Functions on page 3-15.

- The following operations are possible using the transmitter of the keyless entry system from a distance (Lock/Unlock/Trunk/Panic button):
  - Locking/unlocking the doors.
  - Opening the trunk lid.
  - Operating the theft-deterrent system*.
  - Turning on the alarm.
- Locking/unlocking the doors or starting the engine using the auxiliary key.

⚠ WARNING

Do not leave the key in your vehicle with children and keep them in a place where your children will not find or play with them:

Leaving children in a vehicle with the key is dangerous. This could result in someone being badly injured or even killed. Children may find these new kinds of keys to be an interesting toy to play with and could cause the power windows or other controls to operate, or even make the vehicle move.

Radio waves from the advanced key may affect medical equipment such as pacemakers:

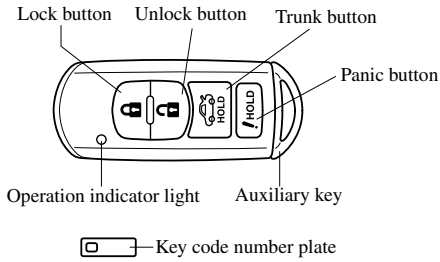
Before using the advanced key near people who use medical equipment, ask the medical equipment manufacturer or your physician if radio waves from the advanced key will affect the equipment.

NOTE

- *The driver must carry the advanced key to ensure the system functions properly.*
- *Refer to Immobilizer System (page 3-50) for information regarding keys and engine starting.*
- ***(With theft-deterrent system)***
  Refer to Theft-Deterrent System (page 3-58) for information regarding keys and the prevention of vehicle and vehicle contents theft.
- *The advanced keyless functions can be turned off.*
  Refer to Personalization Features on page 10-9.

 *Some models.

Information Provided by: DEALER E-PROCESS



A code number is stamped on the plate attached to the key set; detach this plate and store it in a safe place (not in the vehicle) for use if you need to make a replacement key.

Also write down the code number and keep it in another safe and handy place, but not in the vehicle.

If your key is lost, consult your Authorized Mazda Dealer with the code number ready.

Information Provided by:
DEALER E-PROCESS

Advanced Keyless Entry and Start System

⚠ CAUTION

- *Because the advanced key uses low-intensity radio waves, it may not function correctly under the following conditions:*
  - *The advanced key is carried with communication devices such as cellular phones.*
  - *The advanced key contacts or is covered by a metal object.*
  - *The advanced key is near electronic devices such as personal computers or cell phones.*
  - *Non-Mazda genuine electronic equipment is installed in the vehicle.*
  - *There is equipment which discharges radio waves near the vehicle.*
  - *If the vehicle is near equipment such as wireless pay devices installed at certain gas stations.*
- *The advanced key may consume battery power excessively if it receives high-intensity radio waves. Do not place the advanced key near electronic devices such as televisions or personal computers.*
- *To avoid damage to the advanced key, DO NOT:*
  - *Drop the advanced key.*
  - *Get the advanced key wet.*
  - *Disassemble the advanced key.*
  - *Expose the advanced key to high temperatures on places such as the dashboard or hood, under direct sunlight.*
  - *Place heavy objects on the advanced key.*
  - *Put the advanced key in an ultrasonic cleaner.*
  - *Put any magnetized objects close to the advanced key.*

NOTE

- *Battery life is about one year. Be sure to replace the battery as soon as you see the green KEY indicator light in the instrument cluster begin flashing for 30 seconds after turning off the engine, otherwise, you will not be able to start the engine using the advanced keyless start system once the battery is completely dead. Refer to KEY Warning Light (Red)/KEY Indicator Light (Green) (with Advanced Key) on page 5-54. If this occurs, you will have to use the auxiliary key if you need to start the engine immediately.Refer to Advanced Key Battery Dead Warning on page 3-21.*

- *Additional advanced keys can be obtained at an Authorized Mazda Dealer. Up to 6 advanced keys can be used with the advanced keyless functions per vehicle.*

Information Provided by: DEALER E-PROCESS

▼Advanced Key Maintenance

⚠CAUTION

- *Make sure the battery is installed with the correct pole facing upward. Battery leakage could occur if it is not installed correctly.*
- *When replacing the battery, be careful not to touch any of the internal circuitry and electrical terminals, bend the electrical terminals, or get dirt in the transmitter as the transmitter could be damaged.*
- *There is the danger of explosion if the battery is not correctly replaced.*
- *Replace only with the same type battery (CR2025 or equivalent).*
- *Dispose of used batteries according to the following instructions.*
  - *Insulate the plus and minus terminals of the battery using cellophane or equivalent tape.*
  - *Never disassemble.*
  - *Never throw the battery into fire or water.*
  - *Never deform or crush.*

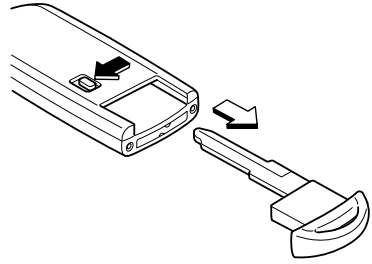
The following conditions indicate that the battery power is low:

- The KEY indicator light (green) flashes in the instrument cluster for about 30 seconds after the engine is turned off.
- The system does not operate and the operation indicator light on the transmitter does not flash when the buttons are pressed.
- The system's operational range is reduced.

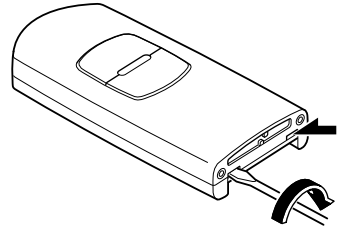
Replacing the battery at an Authorized Mazda Dealer is recommended to prevent damage to the advanced key. If replacing the battery by yourself, follow the instruction below.

Replacing the advanced key battery

1. Pull out the auxiliary key.

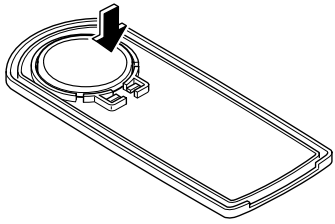


2. Gently and slowly pry open the cover using a small, flathead screwdriver.

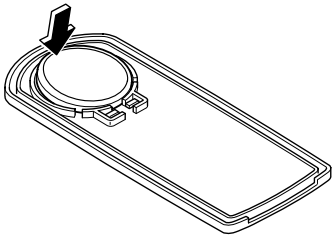


Information Provided by: DEALER E-PROCESS

3. Remove the battery by pressing its edge.



4. Install a new battery (CR2025 or equivalent) with the positive pole facing down.



5. Close the cover.
6. Reinsert the auxiliary key.

▼Service

If you have a problem with the advanced keyless functions, consult an Authorized Mazda Dealer.

If your advanced key is lost or stolen, bring all remaining advanced keys to an Authorized Mazda Dealer as soon as possible for a replacement and to make the lost or stolen advanced key inoperative.

⚠ CAUTION

Radio equipment like this is governed by laws in the United States. Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Information Provided by: DEALER E-PROCESS

Operation Using Advanced Keyless Functions

▼Operational Range

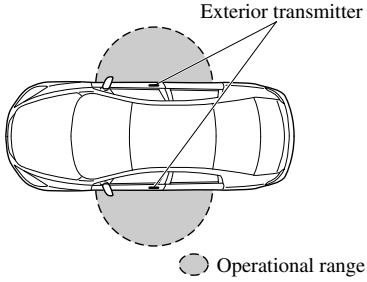
The system operates only when the driver is in the vehicle or within operational range while the advanced key is being carried.

NOTE

When the battery power is low, or in places where there are high-intensity radio waves or noise, the operational range may become narrower or the system may not operate.

Locking, unlocking the doors

The operational range for locking/unlocking the doors is an area of up to 80 cm (31 in) from the center of the front door handles.

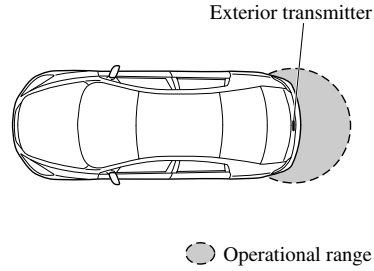


NOTE

The system may not operate if you are too close to the windows, door handles.

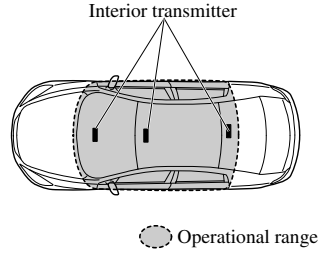
Opening the trunk lid

The operational range for opening the trunk lid is an area of up to 80 cm (31 in) from the center of the trunk lid.



Starting the engine

The operational range for starting the engine includes nearly the entire cabin area.



Information Provided by: DEALER E-PROCESS

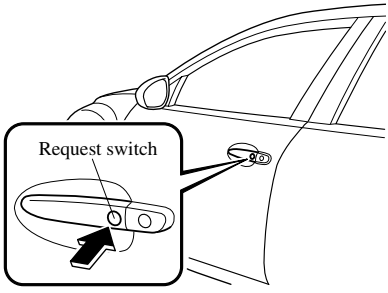
NOTE

- *The trunk is out of the operational range, however, starting the engine may be possible.*
- *The engine may not start if the advanced key is placed in the following areas:*
  - *Around the dashboard*
  - *In the storage compartments such as the glove box*
  - *On the rear parcel shelf*
- *Starting the engine may be possible even if the advanced key is outside of the vehicle and extremely close to a door and window, however, always start the engine from the driver's seat.*
  If the vehicle is started and driven away while the advanced key is not in the vehicle, the vehicle will not restart after it is turned off and the ignition is switched off.
- *If the advanced key is detected within operational range, the operation indicator light on the transmitter flashes momentarily.*

▼Locking, Unlocking Doors

To lock

All the doors can be locked by pressing the request switch on either front door while the advanced key is being carried. A beep sound will be heard once and the hazard warning lights will flash once.



NOTE

- *Confirm that all the doors are securely locked.*
- *All the doors cannot be locked when any door is open.*
- *If your vehicle has a theft-deterrent system, the hazard warning lights only flash when the system is armed.*
  Refer to Theft-Deterrent System on page 3-58.
- *A beep sound is heard for confirmation when the doors are locked using the request switch. If you prefer, the beep sound can be turned off.*
  The volume of the beep sound can also be changed.
  Refer to Personalization Features on page 10-9.
- *The setting can be changed so that the doors are locked automatically without pressing the request switch when walking away from the vehicle (page 10-9).*
  (Auto-lock function)
  Three seconds after the doors and the trunk lid are closed and the advanced key is out of the operational range, the doors will lock automatically. Also, the hazard warning lights flash once. (Even if the driver is in the operational range, all doors are locked automatically after about 30 seconds.)
  If you are out of the operational range before the doors are completely closed or another advanced key is left in the vehicle, the auto-lock function will not work.
  Always make sure that all doors are closed and locked before leaving the vehicle.
  The auto-lock function does not close the power windows or moonroof.

Information Provided by: DEALER E-PROCESS

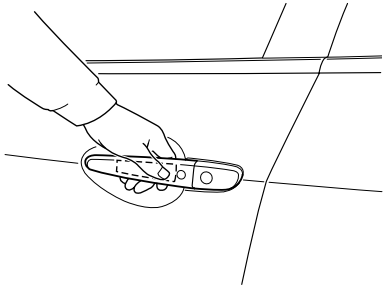
To unlock

Driver's door handle

To unlock the driver's door, touch the sensor area on the inside of the driver's door handle. A beep sound will be heard twice and the hazard warning lights will flash twice.
After unlocking the driver's door, unlock all the other doors by pressing the door-lock switch on the inside of the driver's door.

Front passenger door handle

To unlock the doors, touch the sensor area on the inside of a front passenger door handle. A beep sound will be heard twice and the hazard warning lights will flash twice.



NOTE

- *The doors cannot be unlocked for about three seconds after they are locked even if the sensor area on the inside of either front door handle is touched.*
- *Grasp either front door handle properly to unlock the doors, and make sure it is unlocked before opening it.*
  If the door handle is pulled before the door is unlocked, the door may not open. If this happens, lock the door and securely grasp the door handle again to confirm that the door is unlocked, then open the door.
- *The sensor is installed on the inside of the front door handles. The doors cannot be unlocked by touching any area other than the sensor area.*
- *If you grasp a front door handle while wearing gloves, the doors may not unlock, or they could require extra time to unlock.*
- *The doors could unlock if someone is carrying the advanced key near the front door handle and the front door handle is splashed with water such as by rain, or by a car wash.*
- *If your vehicle has a theft-deterrent system, the hazard warning lights only flash when the system is turned off.*
  Refer to Theft-Deterrent System on page 3-58.
- *The method for unlocking the doors can be changed.*
  Refer to Personalization Features on page 10-9.
- *A beep sound is heard for confirmation when the doors are unlocked using a door handle. If you prefer, the beep sound can be turned off.*
  The volume of the beep sound can also be adjusted.
  Refer to Personalization Features on page 10-9.
- ***(Auto re-lock function)***
  After unlocking the doors using the sensor on the inside of the door handle, all the doors will automatically lock if any of the following operations are not done within about 30 seconds. If your vehicle has a theft-deterrent system, the hazard warning lights will flash for confirmation.
  - *A door or the trunk lid is opened.*
  - *The auxiliary key is inserted into the key slot.*
  - *The push button start is in any position except off position.*

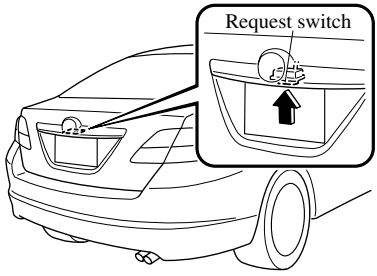
Information Provided by: DEALER E-PROCESS

Advanced Keyless Entry and Start System

- *It may require a few seconds for the doors to unlock after touching the sensor area on the inside of either front door handle.*

▼Opening the Trunk Lid with Request Switch

The trunk lid can be opened by pressing the request switch on the under side of the trunk lid above the license plate while the advanced key is being carried.



NOTE

If the advanced key is left in the trunk, the trunk lid will close, however, the trunk lid can be opened using the request switch and the vehicle could be stolen.

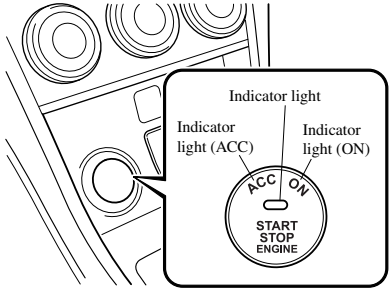
▼Starting the Engine

Locked steering wheel*

If the electronic steering lock warning light is flashing and the beep sound is heard, this indicates that the steering wheel is not unlocked. To unlock the steering wheel, move the steering wheel left and right while pressing the push button start.

Ignition positions

Each time the push button start is pressed, the ignition switches in the order of off, ACC, and ON. Pressing the push button start again from ON switches the ignition off.



NOTE

- *The order in which the ignition is switched can be changed.*
  Refer to Personalization Features on page 10-9.
- *The engine starts by pressing the push button start while depressing the clutch pedal (manual transaxle) or the brake pedal (automatic transaxle). To switch the ignition position, press the push button start without depressing the pedal.*
- *Do not leave the ignition switched ON while the engine is not running. Doing so could result in the battery going dead. If the ignition is left in ACC (For automatic transaxle, the shift lever is in the P position, and the ignition is in ACC), the ignition switches off automatically after one hour. The setting can be changed to not switch the ignition off automatically.*
  Refer to Personalization Features on page 10-9.

 *Some models.

Information Provided by: DEALER E-PROCESS

Off

The power supply to electrical devices turns off and the push button start indicator lights (ACC and ON) also turn off.

⚠ WARNING

Before leaving the driver's seat, always switch the ignition off, set the parking brake, and make sure the shift lever is in P (automatic transaxle) or in 1st gear or R (manual transaxle):

Leaving the driver's seat without switching the ignition off, setting the parking brake, and shifting the shift lever to P (automatic transaxle) or to 1st gear or R (manual transaxle) is dangerous. Unexpected vehicle movement could occur which could result in an accident.

In addition, if your intention is to leave the vehicle for even a short period, it is important to switch the ignition off, as leaving it in another position will disable some of the vehicle's security systems and run the battery down.

ACC (Accessory)

Some electrical accessories will operate and the indicator light (ACC) illuminates. In addition, for vehicles equipped with the steering column lock function, the steering wheel unlocks.

NOTE

The advanced keyless entry system does not function while the push button start has been pressed to ACC, and the doors will not lock/unlock even if they have been locked manually.

ON

This is the normal running position after the engine is started. The indicator light (ON) turns off. (The indicator light (ON) illuminates when the ignition is switched ON and the engine is not running.)
The warning lights (except brakes) should be inspected before the engine is started (page 5-44).

Starting the engine

NOTE

- *The advanced key must be carried because the advanced key carries an immobilizer chip that must communicate with the engine controls at short range.*
- *The engine can be started when the push button start is pressed from off, ACC, or ON.*

1. Make sure you are carrying the advanced key.
2. Occupants should fasten their seat belts.
3. Make sure the parking brake is on.
4. Continue to press the brake pedal firmly until the engine has completely started.
5. **(Manual transaxle)**
   Continue to press the clutch pedal firmly until the engine has completely started.
   (Automatic transaxle)
   Put the vehicle in park (P). If you must restart the engine while the vehicle is moving, shift into neutral (N).

Information Provided by: DEALER E-PROCESS

NOTE

(Manual transaxle)

The starter will not operate if the clutch pedal is not depressed sufficiently.

(Automatic transaxle)

The starter will not operate if the shift lever is not in P or N and the brake pedal is not depressed sufficiently.

6. Verify that the KEY indicator light (green) in the instrument cluster and the push button start indicator light (green) illuminate. If the KEY indicator light (green) does not illuminate, make sure that the advanced key is being carried. If the KEY indicator light (green) does not illuminate while the advanced key is being carried, you may have to use the auxiliary key to start the engine instead (page 3-23).

⚠ CAUTION

If the KEY warning light (red) illuminates, and the push button start indicator light (red) illuminates, this could indicate a problem with the engine starting system and the inability to start the engine or switch the ignition to ACC or ON. Have your vehicle inspected at an Authorized Mazda Dealer as soon as possible.

NOTE

- *Under the following conditions, the KEY warning light (red) flashes to inform the driver that the push button start will not switch to ACC even if it is pressed from off.*
  - *The advanced key battery is dead.*
  - *The advanced key is out of operational range.*
  - *The advanced key is placed in areas where it is difficult for the system to detect the signal (page 3-7).*
  - *A key from another manufacturer similar to the advanced key is in the operational range.*
- ***(Forced engine starting method)***
  If the KEY warning light (red) and the push button start indicator light (red) illuminate when the clutch pedal (manual transaxle) or the brake pedal (automatic transaxle) is depressed to start the engine, the engine may not start using these methods. Have your vehicle inspected at an Authorized Mazda Dealer as soon as possible. If this occurs, the engine can be force-started. Press and hold the push button start until the engine starts. Other procedures necessary for starting the engine such as having the advanced key in the cabin, and depressing the clutch pedal (manual transaxle) or the brake pedal (automatic transaxle) are required.
- *When the engine is force-started, the key warning light (red) remains illuminated and the key indicator light (green) does not illuminate.*
- *If the attempt to start the engine using the forced-start method is unsuccessful, it may be necessary to use the auxiliary key.*

7. Press the push button start after both the KEY indicator light (green) in the instrument cluster and the push button start indicator light (green) illuminate.

Information Provided by: DEALER E-PROCESS

NOTE
- *After starting the engine, the push button start indicator lights (ACC and ON) turn off and the ignition is in the ON position.*
- *After pressing the push button start and before the engine starts, the operation sound of the fuel pump motor from near the fuel tank can be heard, however, this does not indicate a malfunction.*

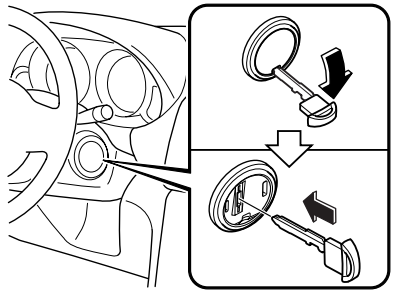
8. After starting the engine, let it idle for about ten seconds.

NOTE
- *Whether the engine is cold or warm, it should be started without the use of the accelerator.*
- *If the engine does not start the first time, refer to Starting a Flooded Engine under Emergency Starting. If the engine still does not start, have your vehicle inspected by an Authorized Mazda Dealer (page 7-15).*

Starting the engine using the auxiliary key

If the engine cannot be started for reasons such as the advanced key battery is dead, the engine can be started using the auxiliary key.

1. Slide the auxiliary key out from the bottom of the advanced key.
2. Use the auxiliary key to remove the key slot cover.
3. Depress the clutch pedal (manual transaxle) or the brake pedal (automatic transaxle) until the ring around the key slot starts flashing.
4. Insert the auxiliary key into the slot while it is flashing, but DO NOT TURN THE AUXILIARY KEY IN THE SLOT.



⚠ CAUTION

After inserting the auxiliary key, do not attempt to turn it in the key slot. It could damage the vehicle or the auxiliary key.

5. Press the push button start to start the engine.

NOTE
- *Leave the auxiliary key in the key slot while the engine is running.*
- *When leaving the vehicle, remove the auxiliary key from the key slot and the vehicle.*
  A thief does not need your advanced key to steal the vehicle if the thief has your auxiliary key.
- *To switch the ignition position, insert the auxiliary key into the key slot, depress the clutch pedal (manual transaxle) or the brake pedal (automatic transaxle), and then press the push button start right after releasing the pedal.*

Turning the engine off

1. Stop the vehicle completely.

Information Provided by: DEALER E-PROCESS

2. **(Manual transaxle)**
   Shift into neutral.
   (Automatic transaxle)
   Shift the shift lever to the P position.
3. Press the push button start to turn off the engine.

⚠ CAUTION

When leaving the vehicle, make sure the push button start is pressed to off.

NOTE

- *When the push button start is pressed to off from ON, the KEY indicator light (green) flashes for approximately 30 seconds indicating that the remaining battery power of the advanced key is low. Replace with a new battery before the advanced key becomes unusable.*
  Refer to Advanced Key Maintenance on page 3-5.
- ***(Automatic transaxle)***
  If the engine is turned off while the shift lever is in a position other than P, the ignition switches to ACC.

Emergency engine stop

⚠ WARNING

Do not press (or touch) the push button start while the vehicle is moving:

Pressing the push button start and stopping the engine while the vehicle is moving for any reason other than in an emergency is dangerous. Stopping the engine while the vehicle is moving will result in reduced maneuverability and braking ability due to the loss of power steering and power braking, which could cause an accident and serious injury.

Continuously pressing the push button start while the engine is running and the vehicle is stopped, or quickly pressing it any number of times will turn the engine off immediately.

Information Provided by: DEALER E-PROCESS

Operation Using Advanced Key Functions

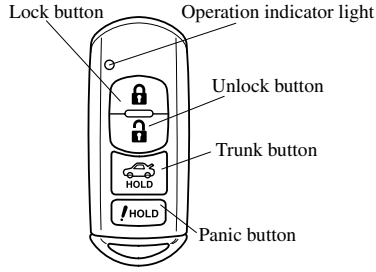
▼Keyless Entry System

This system uses the more traditional keyless entry buttons to remotely lock and unlock the doors and opens the trunk lid. It can also help you signal for attention. Press the buttons slowly and carefully.

NOTE

- *The keyless entry system is designed to operate up to about 2.5 m (8 ft) from the center of the vehicle, but this may vary due to local conditions.*
- *The system does not operate when the auxiliary key is in the key slot.*
- *The keyless entry system is fully operational when the push button start is switched off. The system does not operate if the push button start is switched to any position other than off.*
- *All doors cannot be locked by pressing the lock button while any door is open. The hazard warning lights will also not flash.*
- *If the transmitter does not operate when pressing a button or the operational range becomes too small, the battery may be dead. To install a new battery, refer to Maintenance (page 3-5).*

Transmitter



The operation indicator light flashes when the buttons are pressed.

Lock button

To lock the doors, press the lock button. A beep sound will be heard once and the hazard warning lights will flash once.

To confirm that all doors have been locked, press the lock button again within 5 seconds. If they are closed and locked, the horn will sound.
The system can be set not to sound the horn.
Refer to Personalization Features on page 10-9.

Information Provided by: DEALER E-PROCESS

Advanced Keyless Entry and Start System

NOTE

- *A beep sound can be heard for confirmation when the doors are locked using the advanced keyless transmitter. If you prefer, the beep sound can be turned off. The volume of the beep sound can be changed. Refer to Personalization Features on page 10-9.*
- ***(Without theft-deterrent system)***
  The hazard warning lights will flash once to indicate that all doors are locked.
  (With theft-deterrent system)
  The hazard warning lights flash when the theft deterrent system is armed.
  The hazard warning lights do not flash if all the doors are locked before the theft-deterrent system is properly armed.
  When the doors are locked by pressing the lock button on the transmitter while the theft-deterrent system is armed, the hazard warning lights will flash once to indicate that the system is armed.
  Refer to Theft-Deterrent System on page 3-58.

NOTE

- *All doors cannot be locked when any door is open.*
- *Confirm that all doors are locked visually or audibly by use of the double click.*

Unlock button

To unlock the driver's door, press the unlock button. A beep will be heard twice and the hazard warning lights will flash twice.

To unlock all doors, press the unlock button again within 3 seconds and two more beep sounds will be heard.

NOTE

- *A beep sound can be heard for confirmation when the doors are unlocked using the advanced keyless transmitter. If you prefer, the beep sound can be turned off. The volume of the beep sound can be changed. Refer to Personalization Features on page 10-9.*
- *The system can be set to unlock all doors by performing a single operation.*
  Refer to Personalization Features on page 10-9.
- ***(Without theft-deterrent system)***
  The hazard warning lights will flash twice to indicate that all doors are unlocked.
  (With theft-deterrent system)
  The hazard warning lights flash when the theft deterrent system is turned off.
  The hazard warning lights do not flash unless the theft deterrent system has been properly turned off.
  When the doors are unlocked by pressing the unlock button on the transmitter while the theft-deterrent system is turned off, the hazard warning lights will flash twice to indicate that the system is turned off.
  Refer to Theft-Deterrent System on page 3-58.

NOTE

(Auto re-lock function)

After unlocking with the transmitter, all doors will automatically lock if any of the following operations are not performed within about 30 seconds. If your vehicle has a theft-deterrent system, the hazard warning lights will flash for confirmation.

- *A door or the trunk lid is opened.*
- *The auxiliary key is inserted into the key slot.*
- *The push button start is in any position except off position.*

Information Provided by: DEALER E-PROCESS

Trunk button

To open the trunk, press and hold the trunk button until the trunk lid opens.

NOTE

To open the trunk when the ignition is switched to a position other than off, use the remote release button inside the vehicle (page 3-36).

Panic button

If you witness from a distance someone attempting to break into or damage your vehicle, pressing the panic button will activate the vehicle's alarm.

NOTE

The panic button will work whether any door or the trunk lid is open or closed.

(Turning on the alarm)

Pressing the panic button for 1 second or more will trigger the alarm for about 2 minutes and 30 seconds, and the following will occur:

- The horn sounds intermittently.
- The hazard warning lights flash.

NOTE

However, if the driver is too close to the vehicle the panic button may not function.

(Turning off the alarm)

The alarm stops by pressing any button on the transmitter.

Information Provided by: DEALER E-PROCESS

Advanced Keyless Entry and Start System

Declaration of Conformity

Keyless entry system

Country	Approval number	Country	Approval number
CAN	Operation is subject to the following two conditions: (1) this device may not cause harmful interference. (2) this device must accept any interference received, including interference that may cause undesired operation.	US	This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference. (2) this device must accept any interference received, including interference that may cause undesired operation. Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

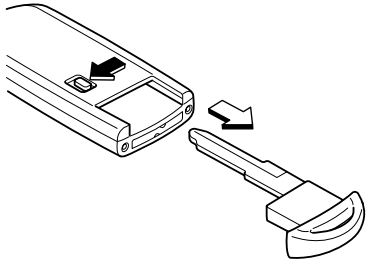
Information Provided by: DEALER E-PROCESS

▼Auxiliary Key Function

Use the auxiliary key stored in the advanced key in the event of a dead transmitter battery or malfunction.

Removing the auxiliary key

Pull out the auxiliary key from the advanced key.



Locking, unlocking the doors

The doors can be locked/unlocked using the auxiliary key, refer to Locking, Unlocking with Key (page 3-31).

Starting the engine

The engine can be started with the auxiliary key, refer to Starting the engine (page 3-10).

Locking, unlocking the glove box

The glove box can be locked/unlocked using the auxiliary key, refer to Glove Box (page 6-150).

Advanced Key Suspend Function

If an advanced key is left in the vehicle, the functions of the advanced key left in the vehicle are temporarily suspended to prevent theft of the vehicle.
The following are inoperable:

- Starting the engine using the push button start.
- Operating the request switches.

To restore these functions, perform any one of the following:

- Press a switch on the advanced key which has had its functions temporarily suspended.
- **(Manual transaxle)**
  When carrying another advanced key, depress the clutch pedal until the KEY indicator light (green) illuminates.
  (Automatic transaxle)
  When carrying another advanced key, depress the brake pedal until the KEY indicator light (green) illuminates.

Information Provided by: DEALER E-PROCESS

Warning Lights and Beep Sounds

▼System Malfunction Warning Light

If any malfunction occurs in the advanced keyless function, the KEY warning light (red) in the instrument cluster illuminates continuously.

⚠ CAUTION

If the KEY warning light (red) remains illuminated, do not continue to drive the vehicle with the advanced keyless function. Park the vehicle in a safe place and use the auxiliary key to continue driving the vehicle. Have the vehicle inspected at an Authorized Mazda Dealer as soon as possible. Refer to Starting the engine (page 3-10).

▼Ignition Not Switched Off (STOP) Warning Beep

If the driver's door is opened while the ignition is switched to ACC, a continuous beep sound will be heard to notify the driver that the ignition has not been switched off (STOP). Left in this condition, the keyless entry system will not operate, the car cannot be locked, and the battery power will be depleted.

▼Advanced Key Removed from Vehicle Warning Beep

Under the following conditions, a beep sound will be heard and the KEY warning light (red) will flash continuously when the push button start has not been switched off to notify the driver that the advanced key has been removed. The KEY warning light (red) will stop flashing when the advanced key is back inside the vehicle:

- The push button start has not been switched off, the driver's door is open, and the advanced key is removed from the vehicle. (A beep sound will be heard 3 times.)
  However the beep sound will be heard continuously when the push button start is switched to ACC and the door is open due to the activation of the warning beep sound indicating that the push button start is not switched off.
- The push button start has not been switched off and all the doors are closed after removing the advanced key from the vehicle. (A beep sound will be heard 6 times. The volume of the beep sound can be changed.)
  Refer to Personalization Features on page 10-9.

NOTE

Because the advanced key utilizes low-intensity radio waves, the Advanced Key Removed From Vehicle Warning may activate if the advanced key is carried together with a metal object or it is placed in a poor signal reception area within the vehicle.

Form No.8CD1-EA-11C
Information Provided by: DEALER E-PROCESS

▼Request Switch Inoperable Warning Beep

If the request switch for a front door is pressed under the following conditions while the advanced key is being carried, a beep will be heard 6 times to indicate that the front doors cannot be locked.
- A door is open (door ajar included).
- The ignition has not been switched off.
- The auxiliary key is inserted into the key slot.

▼Advanced Key Battery Dead Warning

When the ignition is switched to ACC or switched off from ON, the KEY indicator light (green) flashes for approximately 30 seconds indicating that the remaining battery power is low. Replace with a new battery before the advanced key becomes unusable.
Refer to Advanced Key Maintenance (page 3-5).

NOTE
The advanced key can be set so that the KEY indicator light (green) does not flash even if the battery power is low.
Refer to Personalization Features on page 10-9.

▼Engine Start Not Permitted Warning

Under the following conditions, the KEY warning light (red) flashes to inform the driver that the ignition will not switch to ACC even if the ignition is switched off.
- The advanced key battery is dead.
- The advanced key is not within operational range.
- The advanced key is placed in areas where it is difficult for the system to detect the signal (page 3-7).
- A key from another manufacturer similar to the advanced key is in the operational range.

▼Advanced Key Left-in-trunk Warning Beep

If the advanced key is left in the trunk compartment with all doors locked and the trunk lid closed, a beep sound is heard for about 10 seconds to remind the driver the advanced key has been left in the trunk compartment. If this happens, open the trunk lid by pressing the request switch and remove the advanced key. An advanced key removed from the trunk may not function because its functions may have been temporarily suspended. To restore the advanced key function, perform the applicable procedure (page 3-19).
The system can be set not to open the trunk.
Refer to Personalization Features on page 10-9.

Information Provided by: DEALER E-PROCESS

▼Advanced Key Left-in-vehicle Warning Beep

If an advanced key is left in the vehicle cabin and all the doors are locked using a separate advanced key, a beep sound is heard for about 10 seconds to remind the driver that the advanced key has been left in the vehicle cabin. If this happens, the doors lock but the functions of the advanced key left in the vehicle cabin may be temporarily suspended. Perform the following procedure to restore the functions of the advanced key (page 3-19).
The volume of the beep sound can be changed.
Refer to Personalization Features on page 10-9.

NOTE
The warning beep does not sound while the trunk is open. The warning beep sounds after the trunk is closed.

▼Auxiliary Key Removed Warning Beep

If the auxiliary key is removed under the following conditions while it is in use and in the ACC or ON position, the warning beep sounds three times.
- The advanced key is not in the vehicle.
- The battery for the advanced key is dead.

Information Provided by: DEALER E-PROCESS

When Warning Indicator/Beep is Activated

Under the following conditions, warning beeps are heard and a warning/indicator light in the instrument cluster illuminates to notify the driver of improper operation of the advanced key to prevent theft of the vehicle (page 3-20).

Warning	How to check
When a door is open, a continuous beep sound will be heard.	Check whether the ignition has been switched off.
When a door is open, 3 beep sounds are heard, and the KEY warning light (red) in the instrument cluster flashes.	Check whether the advanced key has been removed from the vehicle.
When a door is closed, a beep sound is heard 6 times, and the KEY warning light (red) in the instrument cluster flashes.	Check whether the advanced key has been removed from the vehicle.
When locking the doors or closing the trunk , the chime sounds for about ten seconds.	Check whether the advanced key has been left in the vehicle or the trunk .
When attempting to lock the doors by pressing the request switch on the front doors, and six beep sounds are heard.	Check whether the ignition has been switched off.
	Check whether a door is open.
When the KEY indicator light (green) flashes in the instrument cluster.	The advanced key battery power is low. Replace the battery with a new one. Refer to Advanced Key Maintenance on page 3-5.
When the KEY warning light (red) remains illuminated in the instrument cluster.	The advanced key is malfunctioning. Park the vehicle in a safe place, and use the auxiliary key to continue driving the vehicle. Have the vehicle inspected at an Authorized Mazda Dealer as soon as possible.

Information Provided by: DEALER E-PROCESS

Keys

⚠ WARNING

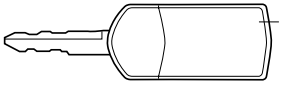
Do not leave the key in your vehicle with children and keep them in a place where your children will not find or play with them:

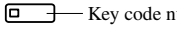
Leaving children in a vehicle with the key is dangerous. This could result in someone being badly injured or even killed. Children may find these new kinds of keys to be an interesting toy to play with and could cause the power windows or other controls to operate, or even make the vehicle move.

NOTE

- *Refer to Immobilizer System (page 3-54) for information regarding keys and engine starting.*
- ***(With theft-deterrent system)***
  Refer to Theft-Deterrent System (page 3-58) for information regarding keys and the prevention of vehicle and vehicle contents theft.

The keys operate all locks.

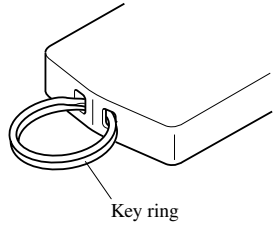




A code number is stamped on the plate attached to the key set; detach this plate and store it in a safe place (not in the vehicle) for use if you need to make a replacement key.

NOTE

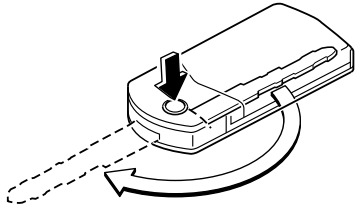
- *Write down the code number and keep it in a separate, safe and convenient place, but not in the vehicle.*
  If your key is lost, consult your Authorized Mazda Dealer and have your code number ready.
- *Some types of key chains cannot be attached to the retractable type key. In this case, use the key ring provided with the transmitter which has the key code number plate attached.*



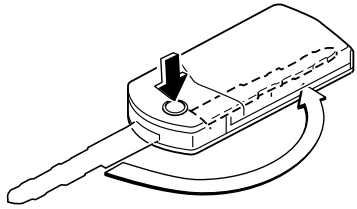
Information Provided by: DEALER E-PROCESS

Key extend/retract method (Retractable type key)

To extend the key, press the release button.



To retract the key, rotate it into the holder while pressing the release button.



Keyless Entry System

This system remotely locks and unlocks the doors and opens the trunk lid.
It can also help you signal for attention.
Operating the theft-deterrent system with the keyless entry system transmitter is also possible on theft-deterrent system-equipped vehicles.
Press the buttons slowly and carefully.

⚠ CAUTION

To avoid damage to the transmitter, do not:

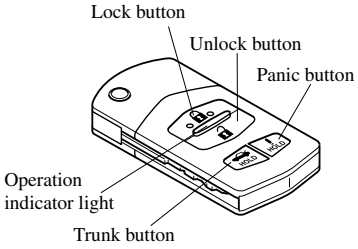
- *Drop the transmitter.*
- *Get the transmitter wet.*
- *Disassemble the transmitter.*
- *Expose the transmitter to any kind of magnetic field.*
- *Expose the transmitter to high temperatures on places such as the dashboard or hood, under direct sunlight.*

NOTE

- *The keyless entry system is designed to operate up to about 2.5 m (8 ft) from the center of the vehicle, but this may vary due to local conditions.*
- *The system does not operate when the key is in the ignition switch.*
- *If the transmitter does not operate when pressing a button or the operation range becomes too small, the battery may be dead. To install a new battery, refer to Maintenance (page 3-28).*
- *Additional transmitters can be obtained at an Authorized Mazda Dealer. Up to 3 transmitters can be used with the keyless entry system per vehicle. Bring all transmitters to an Authorized Mazda Dealer when additional transmitters are required.*

Information Provided by: DEALER E-PROCESS

▼Transmitter



The operation indicator light flashes when the buttons are pressed.

Lock button

To lock the doors, press the lock button.

To confirm that all doors have been locked, press the lock button again within 5 seconds. If they are closed and locked, the horn will sound.
The system can be set not to sound the horn.
Refer to Personalization Features on page 10-9.

NOTE

- *Doors can be locked by pressing the lock button while any other door is open. However, the hazard warning lights will not flash and the horn will not sound.*
- ***(Without theft-deterrent system)***
  The hazard warning lights will flash once to indicate that all doors are locked.
  (With theft-deterrent system)
  The hazard warning lights flash when the theft deterrent system is armed.
  The hazard warning lights do not flash if all the doors are locked before the theft-deterrent system is properly armed.
  When the doors are locked by pressing the lock button on the transmitter while the theft-deterrent system is armed, the hazard warning lights will flash once to indicate that the system is armed.
  Refer to Theft-Deterrent System on page 3-58.
- *All doors cannot be locked when the key is in the ignition switch.*
- *Confirm that all doors are locked visually or audibly by use of the double click.*

Unlock button

To unlock the driver's door, press the unlock button.

To unlock all doors, press the unlock button again within 5 seconds.

Information Provided by: DEALER E-PROCESS

NOTE
(Without theft-deterrent system)
The hazard warning lights will flash twice to indicate that all doors are unlocked.
(With theft-deterrent system)
The hazard warning lights flash when the theft deterrent system is turned off.
The hazard warning lights do not flash unless the theft deterrent system has been properly turned off.
When the doors are unlocked by pressing the unlock button on the transmitter while the theft-deterrent system is turned off, the hazard warning lights will flash twice to indicate that the system is turned off.
Refer to Theft-Deterrent System on page 3-58.
The system can be set to unlock all doors by performing a single operation.
Refer to Personalization Features on page 10-9.

NOTE
Auto re-lock function
After unlocking with the transmitter, all doors will automatically lock if one of the doors or the trunk lid is not opened within about 30 seconds.
The time required for the doors to lock automatically can be changed.
Refer to Personalization Features on page 10-9.

Trunk button

To open the trunk, press and hold the trunk button until the trunk lid opens.

NOTE
To open the trunk when the ignition is switched to a position other than off, use the remote release button inside the vehicle (page 3-36).

Panic button

If you witness from a distance someone attempting to break into or damage your vehicle, pressing the panic button will activate the vehicle's alarm.

NOTE
The panic button will work whether any door or the trunk lid is open or closed.

Turning on the alarm

Pressing the panic button for 1 second or more will trigger the alarm for about 2 minutes and 30 seconds, and the following will occur:
- The horn sounds intermittently.
- The hazard warning lights flash.

Turning off the alarm

Press any button on the transmitter.

Information Provided by: DEALER E-PROCESS

▼Transmitter Maintenance

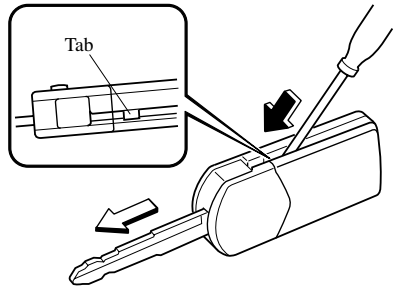
If the buttons on the transmitter are inoperable and the operation indicator light does not flash, the battery may be dead.
Replace with a new battery before the transmitter becomes unusable.

⚠ CAUTION

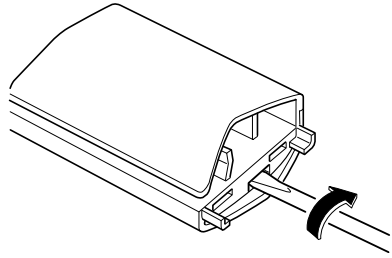
- *Install the battery with the positive pole (+) facing down. Battery leakage could occur if it is not installed correctly.*
- *When replacing the battery, be careful not to touch any of the internal circuitry and electrical terminals, bend the electrical terminals, or get dirt in the transmitter as the transmitter could be damaged.*
- *There is the danger of explosion if the battery is not correctly replaced.*
- *Replace only with the same type battery (CR1620 or equivalent).*
- *Dispose of used batteries according to the following instructions.*
  - *Insulate the plus and minus terminals of the battery using cellophane or equivalent tape.*
  - *Never disassemble.*
  - *Never throw the battery into fire and/or water.*
  - *Never deform or crush.*

Replacing the transmitter battery

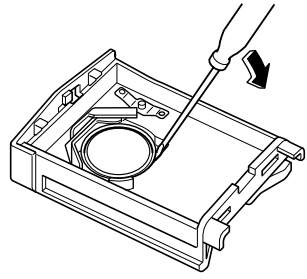
1. Unfold the key (page 3-24).
2. Insert a screwdriver into the slot and push the tab to remove the key from the transmitter.



3. Insert a screwdriver into the slot and gently pry open the transmitter.

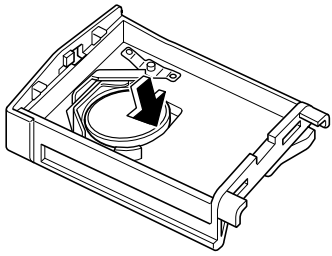


4. Remove the battery.

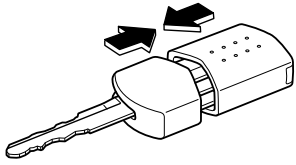


Information Provided by: DEALER E-PROCESS

5. Put in the new battery (CR1620 or equivalent) with the positive pole (+) facing down.



6. Align the front and back covers and snap the transmitter shut.
7. Align the key with the transmitter as shown in the figure, and insert the key until a click sound is heard.



⚠ CAUTION

Insert the key into the transmitter securely until a click sound is heard. If it is not inserted securely, it could detach from the transmitter.

▼Service

If you have a problem with the keyless entry system, consult an Authorized Mazda Dealer.

If your transmitter is lost or stolen, consult an Authorized Mazda Dealer as soon as possible for a replacement and to make the lost or stolen transmitter inoperative.

⚠ CAUTION

Radio equipment like this is governed by laws in the United States. Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Information Provided by: DEALER E-PROCESS

▼Declaration of Conformity

Keyless entry system

FCC WARNING
Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

(FCC)
This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:
(1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation .

(IC)
This device complies with RSS-210 of Industry CANADA. Operation is subject to the following two conditions:
(1) this device may not cause harmful interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

(MEXICO)
Este equipo opera a titulo secundario, consecuentemente, debe aceptar interferencias perjudiciales incluyendo equipos de la misma clase y puede no causar interferencias a sistemas operando a titulo primario

Sistema de acceso normal sin llave
Modelo : SKE125-01
Sistema de acceso normal sin llave con marcado de confirmación por radio

COFETEL RCPMASK05-615

UAE [Approved by TRA]

Information Provided by: DEALER E-PROCESS

Door Locks

⚠ WARNING

Always take all children and pets with you or leave a responsible person with them:

Leaving a child or a pet unattended in a parked vehicle is dangerous. In hot weather, temperatures inside a vehicle can become high enough to cause brain damage or even death.

Do not leave the key in your vehicle with children and keep them in a place where your children will not find or play with them:

Leaving children in a vehicle with the key is dangerous. This could result in someone being badly injured or even killed.

Keep all doors locked when driving:

Unlocked doors in a moving vehicle are dangerous. Passengers can fall out if a door is accidentally opened and can more easily be thrown out in an accident.

Always close all the windows and the moonroof, lock the doors and take the key with you when leaving your vehicle unattended:

Leaving your vehicle unlocked is dangerous as children could lock themselves in a hot vehicle, which could result in death. Also, a vehicle left unlocked becomes an easy target for thieves and intruders.

After closing the doors, always verify that they are securely closed:

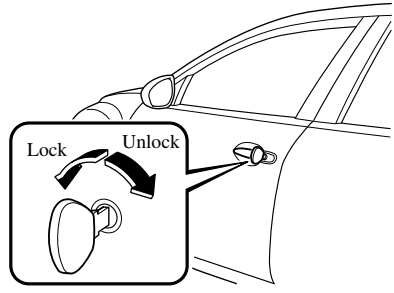
Doors not securely closed are dangerous, if the vehicle is driven with a door not securely closed, the door could open unexpectedly resulting in an accident.

Always confirm the safety around the vehicle before opening a door:

Suddenly opening a door is dangerous. A passing vehicle or a pedestrian could be hit and cause an accident.

▼Locking, Unlocking with Key

The driver's door can be locked/unlocked with the key.
Turn the key toward the front to lock, toward the back to unlock.



▼Locking with Request Switch (with Advanced Key)

The doors can be locked by operating the request switch while carrying the advanced key outside the vehicle, refer to Operations Using Advanced Keyless Functions (page 3-7).

Information Provided by: DEALER E-PROCESS

▼Unlocking with Door Handle (With Advanced Key)

The doors can be unlocked by operating the door handle on the front doors while carrying the advanced key outside the vehicle, refer to Operations Using Advanced Keyless Functions (page 3-7).

▼Locking, Unlocking with Transmitter (with Advanced Key)

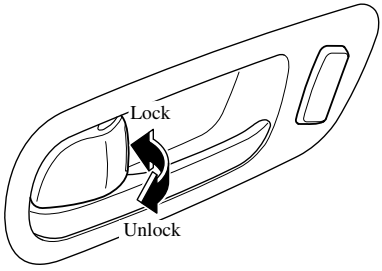
The doors can be locked/unlocked by operating the keyless entry system transmitter, refer to Keyless Entry System (page 3-15).

▼Locking, Unlocking with Transmitter (with Retractable Type Key)

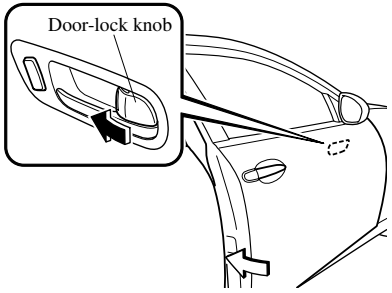
The doors can be locked/unlocked by operating the keyless entry system transmitter, refer to Keyless Entry System (page 3-25).

▼Locking, Unlocking with Door-Lock Knob

To lock any door from the inside, press the door-lock knob.
To unlock, pull it outward.
This does not operate the other door locks.



To lock any door with the door-lock knob from the outside, press the door-lock knob to the lock position and close the door. This does not operate the other door locks.



NOTE

- *When locking the doors this way, be careful not to leave the key inside the vehicle.*
- ***(With advanced key)***
  The driver's door cannot be locked using the door-lock knob from the outside.
- ***(Without advanced key)***
  The driver's door cannot be locked using the door-lock knob from the outside if the key is in the ignition switch.

▼Power Door Locks

Vehicle lock-out prevention

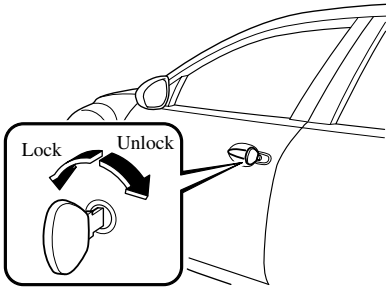
(With advanced key)
The vehicle lock-out prevention feature prevents you from locking yourself out of the vehicle. All doors will automatically unlock if they are locked using the power door locks with any door open.

Information Provided by: DEALER E-PROCESS

(With retractable type key)
The vehicle lock-out prevention feature prevents you from locking yourself out of the vehicle. With the key in the ignition switch, all doors will automatically unlock if they are locked using the power door locks with any door open.

Locking, unlocking with key

All doors lock automatically when the driver's door is locked with the key.
All doors unlock when the driver's door is unlocked and the key is held in the unlock position for one second or longer.

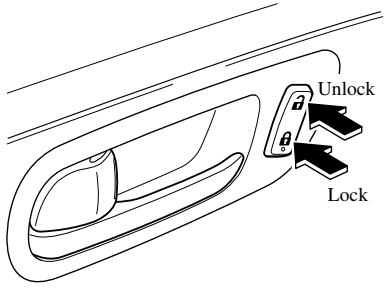


NOTE

- *Holding the key in the unlocked position in the driver's door lock for about a second unlocks all doors. To unlock only the driver's door, insert the key into the driver's door lock and turn the key briefly to the unlock position and then immediately return it to the center position.*
- *The system can be set to unlock all doors by performing a single operation.*
  Refer to Personalization Features on page 10-9.

Locking, unlocking with door-lock switch

All doors lock automatically when lock side is pressed. They all unlock when unlock side is pressed.



Locking with request switch (with advanced key)

All doors can be locked by operating the request switch on the front doors while carrying the advanced key outside the vehicle, refer to Operations Using Advanced Keyless Functions (page 3-7).

Unlocking with door handle (with advanced key)

Driver's door or all doors can be unlocked by operating the door handle on the front doors while carrying the advanced key outside the vehicle, refer to Operating Using Advanced Keyless Functions (page 3-7).

Locking, unlocking with transmitter (with advanced key)

All doors can be locked/unlocked by operating the keyless entry system transmitter, refer to Keyless Entry System (page 3-15).

Information Provided by: DEALER E-PROCESS

Locking, unlocking with transmitter (with retractable type key)

All doors can be locked/unlocked by operating the keyless entry system transmitter, refer to Keyless Entry System (page 3-25).

Auto lock/unlock function

⚠ WARNING

Do not pull the inner handle on a front door:

Pulling an inner handle on a front door while the vehicle is moving is dangerous. Passengers can fall out of the vehicle if a front door accidentally opens, which could result in death or serious injury.

- When the vehicle speed exceeds 20 km/h (12 mph), all doors lock automatically.
- When the ignition is switched off, all doors unlock automatically.

These functions can also be disabled so that they do not operate.

NOTE

Additional auto lock/unlock function (Automatic transaxle)

A function setting is also available which enable automatic locking and unlocking of doors when shifting gears.

Auto lock/unlock function setting change using door-lock switch

The doors and the liftgate can set to lock or unlock automatically by selecting any one of the functions from the following table and using the driver's door-lock switch on the interior to perform the setting change as indicated in the procedure which follows.

Settings can be changed using the following operation.

Function number	Function
1	The auto door-lock function is disabled.
2	All the doors and the liftgate lock automatically when the vehicle speed is about 20 km/h (12 mph) or more.
3	All the doors and the liftgate lock automatically when the vehicle speed is about 20 km/h (12 mph) or more. All the doors and the liftgate unlock when the ignition is switched from ON to ACC or Off.
4	When the ignition is switched ON and the shift lever is shifted from park (P) to any other gear position, all the doors and the liftgate lock automatically.
5	When the ignition is switched ON and the shift lever is shifted from park (P) to any other gear position, all the doors and the liftgate lock automatically. When the shift lever is shifted to park (P) while the ignition is switched ON, all the doors and the liftgate unlock automatically.

1. Stop the vehicle and close all the doors.
2. Switch the ignition ON.
3. Press and hold the lock side of the driver's door-lock switch within 10 seconds of switching the ignition ON, and make sure a beep sound is heard about eight seconds afterwards.
4. Referring to the auto lock/unlock function setting table, determine the function number for the desired setting and press the unlock side of the driver's door-lock switch only in the amount of the selected function number (Ex. If you select function 2, press the unlock side of the switch only 2 times).

Information Provided by: DEALER E-PROCESS

NOTE
There are only a total of five auto lock/unlock settings available. Be sure to press the unlock side of the driver's door-lock switch the correct number of times according to the selected function number. If the switch is mistakenly pressed six times, the procedure will be invalidated. If this occurs, start the procedure from the beginning.

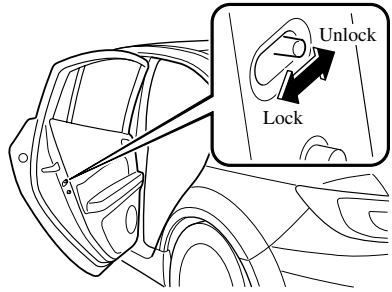
5. Three seconds after the function setting has been changed, a beep sound will beep in the amount of the selected function number.

NOTE
- *The doors cannot be locked or unlocked while the setting function is being performed.*
- *The procedure can be cancelled by pressing the lock side of the driver's door-lock switch.*

▼Rear Door Child Safety Locks

These locks are intended to help prevent children from accidentally opening the rear doors. Use them both whenever a child rides in the vehicle.

If you slide the child safety lock to the lock position before closing that door, the door cannot be opened from the inside. The door can be opened only by pulling the outside handle.



Information Provided by: DEALER E-PROCESS

Trunk Lid

⚠ WARNING

Never allow a person to ride in the trunk:

Allowing a person to ride in the trunk is dangerous. In addition, the person in the trunk could be seriously injured or killed during sudden braking or a collision.

Keep the trunk closed when driving:

Exhaust gas entering the cabin of a vehicle through an open trunk is dangerous. This gas contains CO (carbon monoxide), which is colorless, odorless, and highly poisonous. If inhaled, it can cause loss of consciousness and death.

▼Opening and Closing the Trunk Lid

⚠ WARNING

Close the trunk lid, be sure the seat backs are latched and do not allow children to play inside the vehicle:

Leaving the trunk lid open or leaving children in the vehicle with the keys is dangerous. Children could open the trunk lid and climb inside resulting in possible injury or death from heat exposure.

Always keep the car from being a tempting place to play by latching the rear seats, doors and the trunk, and keeping the keys where children can not play with them:

Leaving children or animals unattended in a parked vehicle is dangerous. Babies left sleeping and children who lock themselves in cars or trunks can die very quickly from heat prostration. Do not leave your children or pets alone in a car at any time. Do not leave the car, the rear folding seats or the trunk unlocked.

Opening the trunk lid with the request switch (with advanced key)

The trunk lid can be opened by operating the request switch on the trunk lid while carrying the advanced key outside the vehicle, refer to Operations Using Advanced Keyless Functions (page 3-7).

Opening the trunk lid with the transmitter (with advanced key)

The trunk lid can be opened by operating the keyless entry system transmitter, refer to Keyless Entry System (page 3-15).

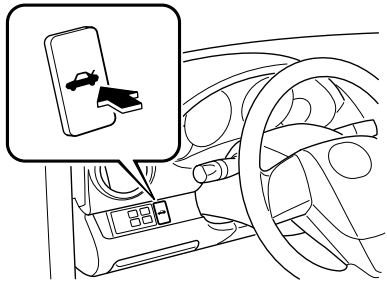
Information Provided by: DEALER E-PROCESS

Opening the trunk lid with the transmitter (with retractable type key)

The trunk lid can be opened by operating the keyless entry system transmitter, refer to Keyless Entry System (page 3-25).

Opening the trunk lid with the remote release button

Push the release button.



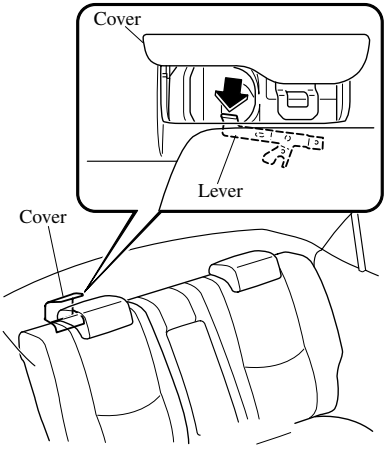
NOTE

While the ignition is switched ON, the trunk lid can be opened only when the vehicle is stopped with the parking brake applied (manual transaxle) or with the selector lever in the P position (automatic transaxle).

When the trunk lid cannot be opened

If the vehicle battery is dead or there is a malfunction in the electrical system and the trunk lid cannot be opened, perform the following procedure as an emergency measure to Open it:

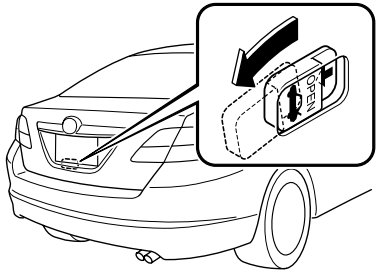
1. Open the cover behind the right rear passenger seat head restraint.



2. Pull the lever forward and fold down the seatback.
3. Carefully climb into the trunk from the back seat.

Information Provided by: DEALER E-PROCESS

4. Slide the inside trunk release lever in the direction of the arrow.



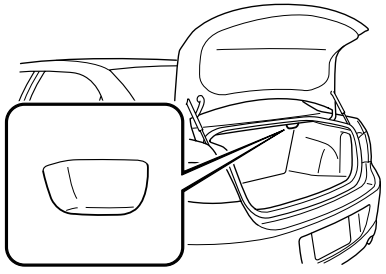
After performing this emergency measure, have the vehicle inspected at an Authorized Mazda Dealer as soon as possible.

Closing the trunk lid

Use both hands to push the trunk lid down until the lock snaps shut. Do not slam it. Pull up on the trunk lid to make sure it is secure.

▼Trunk Light

The trunk light is on when the lid is open and off when it's closed.



NOTE

- *To prevent the battery from being discharged, do not leave the trunk open for a long period when the engine is not running.*
- ***(Battery saver)***
  If the lid is left open, the trunk light turns off after about 30 minutes to prevent battery depletion.

Information Provided by: DEALER E-PROCESS

Inside Trunk Release Lever

Your vehicle is equipped with an inside trunk release lever that provides a means of escape for children and adults in the event they become locked inside the trunk.

No matter how careful adults might be with keys and locking their cars, parents should be aware that children may be tempted to play around vehicles and use the trunk as a hiding place.

Adults are advised to familiarize themselves with the operation and location of the inside trunk release lever so that all children can be told about it in an appropriate way, keeping in mind that most vehicles do not have such levers.

⚠ WARNING

Close the trunk lid, be sure the seat backs are latched and do not allow children to play inside the vehicle:

Leaving the trunk lid open or leaving children in the vehicle with the keys is dangerous. Children could open the trunk lid and climb inside resulting in possible injury or death from heat exposure.

Always keep the car from being a tempting place to play by latching the rear seats, doors and the trunk, and keeping the keys where children can not play with them:

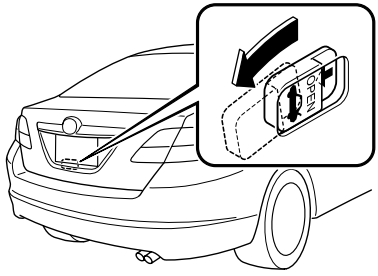
Leaving children or animals unattended in a parked vehicle is dangerous. Babies left sleeping and children who lock themselves in cars or trunks can die very quickly from heat prostration. Do not leave your children or pets alone in a car at any time. Do not leave the car, the rear folding seats or the trunk unlocked.

Information Provided by: DEALER E-PROCESS

▼Opening the Trunk Lid from the Inside

Slide the inside trunk release lever in the direction of the arrow. The lever is made of material that will glow for hours in the darkness of the trunk following a brief exposure to ambient light.

The inside trunk release lever is located on the inside of the trunk lid.



Power Windows

The ignition must be switched ON for the power windows to operate.

⚠ WARNING

Make sure the opening is clear before closing a window:

Closing power windows are dangerous. A person's hands, head, or even neck could be caught by the window and result in serious injury or even death.
This warning applies especially to children.

Always lock all passenger power windows with the power window lock switch on the driver's side while children are in the vehicle, and never allow children to play with power window switches, the advanced key or the keyless entry system:

Leaving the power window switches unlocked while children are in the vehicle is dangerous. Power window switches that are not locked with the power window lock switch would allow children to operate power windows unintentionally which could result in serious injury if a child's hands, head or neck becomes caught by the window.
Letting children play with advanced keys or keyless entry systems are just as dangerous.

⚠ CAUTION

To prevent burning out the fuse and damaging the power window system, do not open or close more than three windows at once.

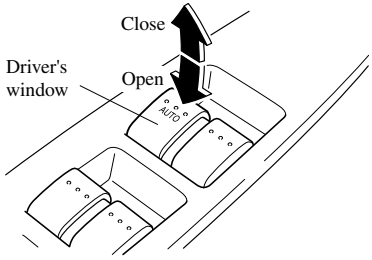
Information Provided by: DEALER E-PROCESS

▼Operating the Driver's Side Power Window

Normal opening/closing

To open the window to the desired position, lightly hold down the switch.
To close the window to the desired position, lightly pull up the switch.

Master control switches



Auto-opening/closing

To fully open the window automatically, press the switch completely down, then release. The window will fully open automatically.
To fully close the window automatically, pull the switch completely up, then release. The window will fully close automatically.

To stop the window partway, pull or press the switch in the opposite direction and then release it.

Power window system initialization procedure

If the battery was disconnected during vehicle maintenance, or for other reasons (such as a switch continues to be operated after the window is fully open/closed), the window will not fully open and close automatically. Carry out the following procedure to resume operation:

1. Switch the ignition ON.
2. Press the switch and fully open the window.
3. Pull up the switch to fully close the window and continue holding the switch for about 2 seconds after the window fully closes.

Jam-safe window

If a person's hands, head or an object blocks the window during the auto-closing operation, the window will stop and open halfway.

⚠ WARNING

Make sure nothing blocks the window just before it reaches the fully closed position or while holding up the power window switch:

Blocking the power window just before it reaches the fully closed position or while holding up the power window switch is dangerous. In this case, the jam-safe function cannot prevent the window from closing all the way. If fingers are caught, serious injuries could occur.

Information Provided by: DEALER E-PROCESS

NOTE
Depending on driving conditions, a closing power window could stop and start opening when the window feels a shock that is similar to something blocking it.
In the event the jam-safe function activates and the power window cannot be closed automatically, pull and hold the switch and the window will close.

Engine-off power window operation

The power window can be operated for about 40 seconds after the ignition is switched from ON to ACC or OFF with all doors closed. If any door is opened, the power window will be inoperable.

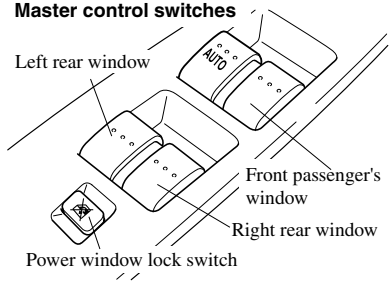
NOTE
For engine-off operation of the power window, the switch must be held up firmly throughout window closure because the auto-closing function will be inoperable.

▼Operating the Passenger Power Windows

The power windows may be operated when the power window lock switch on the driver's door is in the unlocked position.

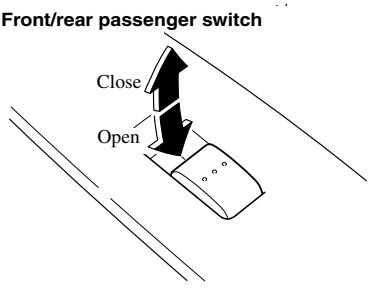
The passenger windows may be opened or closed using the master control switches on the driver's door.

Master control switches



To open the window to the desired position, hold down the switch.
To close the window to the desired position, pull up the switch.

Front/rear passenger switch

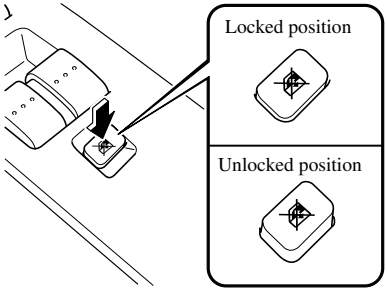


Information Provided by: DEALER E-PROCESS

▼Power Window Lock Switch

With the lock switch in the unlocked position (button not depressed), all power windows on each door can be operated.

With the lock switch in the locked position (button depressed), only the driver's side power window can be operated.



⚠ WARNING

Unless a passenger needs to operate a power window, keep the power window lock switch in the locked position:

Unintentional power window operation is dangerous. A person's hands, head, or neck could be caught by the window and result in serious injury.

Fuel-Filler Lid and Cap

⚠ WARNING

When removing the fuel-filler cap, loosen the cap slightly and wait for any hissing to stop. Then remove it:

Fuel spray is dangerous. Fuel can burn skin and eyes and cause illness if ingested. Fuel spray is released when there is pressure in the fuel tank and the fuel-filler cap is removed too quickly.

Before refueling, stop the engine, and always keep sparks and flames away from the filler neck:

Fuel vapor is dangerous. It could be ignited by sparks or flames causing serious burns and injuries. Additionally, use of the incorrect fuel-filler cap or not using a fuel-filler cap may result in fuel leak, which could result in serious burns or death in an accident.

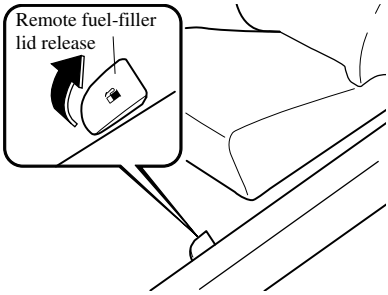
⚠ CAUTION

Always use only a genuine Mazda fuel-filler cap or an approved equivalent, available at an Authorized Mazda Dealer. The wrong cap can result in a serious malfunction of the fuel and emission control systems. It may also cause the check engine light in the instrument cluster to illuminate.

Information Provided by: DEALER E-PROCESS

▼Fuel-Filler Lid

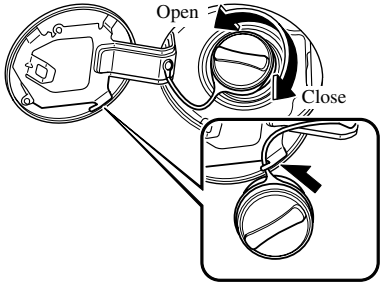
To open, pull the remote fuel-filler lid release.



▼Fuel-Filler Cap

To remove the fuel-filler cap, turn it counterclockwise.
Attach the removed cap to the inner side of the fuel lid.

To close the fuel-filler cap, turn it clockwise until two or more clicks are heard.



⚠ CAUTION

If the check fuel cap warning light illuminates, the fuel-filler cap may not be properly installed. If the warning light illuminates, park your vehicle safely off the right-of-way, remove the fuel-filler cap and reinstall it correctly. After the cap has been correctly installed, the fuel cap warning light may continue to illuminate until a number of driving cycles have been completed. A drive cycle consists of starting the engine (after four or more hours with the engine off) and driving the vehicle on city and highway roads.
Continuing to drive with the check fuel cap warning light illuminated could cause the check engine light to illuminate as well.

Information Provided by: DEALER E-PROCESS

Hood

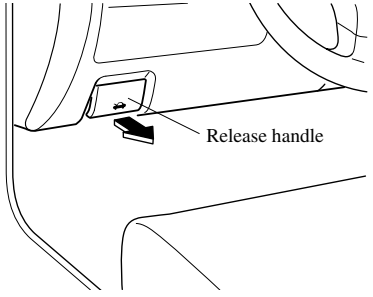
⚠ WARNING

Always check that the hood is closed and securely locked:

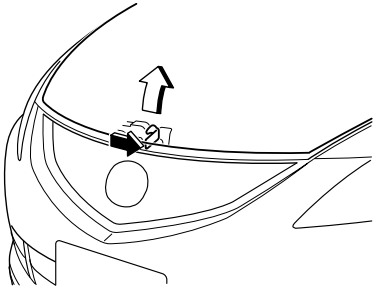
A hood that is not closed and securely locked is dangerous as it could fly open while the vehicle is moving and block the driver's vision which could result in a serious accident.

▼Opening the Hood

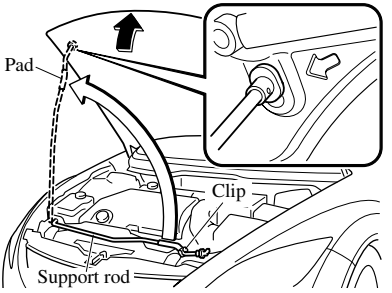
1. With the vehicle parked, pull the release handle to unlock the hood.



2. Insert your hand into the hood opening, slide the hood latch lever to the right, and lift the hood.



3. Grasp the support rod in the padded area and secure it in the stay hole indicated by the arrow to hold the hood open.



▼Closing the Hood

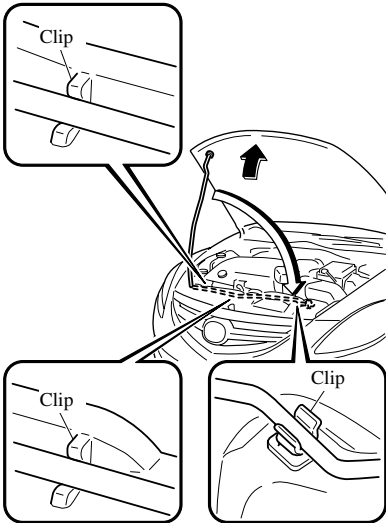
⚠ WARNING

Do not leave items in the engine compartment:

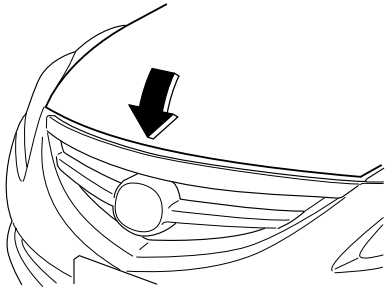
After you have finished checking or doing servicing in the engine compartment, do not forget and leave items such as tools or rags in the engine compartment.
Tools or other items left in the engine compartment could cause engine damage or a fire leading to an unexpected accident.

Information Provided by: DEALER E-PROCESS

1. Check under the hood area to make certain all filler caps are in place and all loose items (e.g. tools, oil containers, etc.) have been removed.
2. Lift the hood, grasp the padded area on the stay, and secure the stay in the clip. Verify that the support rod is secured in the clip before closing the hood.



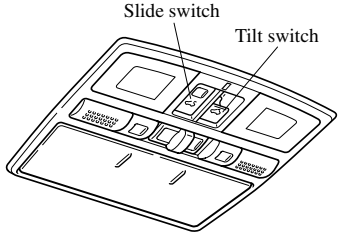
3. Lower the hood slowly until it rests in the unlocked position, and then remove your hands. Push the front center edge of the hood downward until a latching sound is heard, and the hood closes completely.



Information Provided by: DEALER E-PROCESS

Moonroof*

The moonroof can be opened or closed electrically only when the ignition is switched ON.



⚠ WARNING

Do not let passengers stand up or extend part of their body through the open moonroof while the vehicle is moving:

Extending the head, arms, or other parts of the body through the moonroof is dangerous. The head or arms could hit something while the vehicle is moving. This could cause serious injury or death.

Make sure the opening is clear before closing the moonroof:

A closing moonroof is dangerous. The hands, head, or even neck of a person —especially a child— could be caught in it as it closes, causing serious injury or even death.

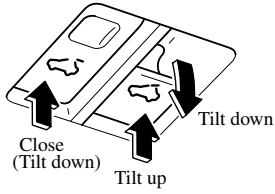
NOTE

Before washing your Mazda, make sure the moonroof is completely closed so that water does not get inside the cabin area. After washing your Mazda or after it rains, wipe the water off the moonroof before operating it to avoid water penetration which could cause rust and water damage to your headliner.

▼Tilt Operation

The rear of the moonroof can be tilted open to provide more ventilation.

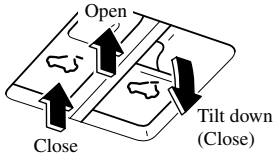
To fully tilt automatically, momentarily press the tilt switch.
To fully close automatically, momentarily pull the tilt switch or press the front of the slide switch.
To stop tilting partway, press any part of the tilt or slide switch.



Form No.8CD1-EA-11C
Information Provided by: DEALER E-PROCESS

▼Slide Operation

To fully open automatically, momentarily press the rear of the slide switch.
To fully close automatically, momentarily press the front of the slide switch or pull the tilt switch.
To stop sliding partway, press any part of the tilt or slide switch.



▼Power Moonroof Re-set Procedure

If the battery is disconnected, the moonroof may not operate correctly. The moonroof will not operate correctly until it is re-set. Carry out the following procedure to re-set the moonroof and resume operation:

1. Switch the ignition ON.
2. Press the tilt switch, to partially tilt open the rear of the moonroof.
3. Repeat Step 2. The rear of the moonroof tilts open to the fully open position, then closes a little.

NOTE
If the re-set procedure is performed while the moonroof is in the slide position (partially open) it closes before the rear tilts opens.

▼Engine-off Moonroof Operation

The moonroof can be operated for about 40 seconds after the ignition is switched from ON to ACC or OFF with all doors closed. If any door is opened, the moonroof will be inoperable.

NOTE
For engine-off operation of the moonroof, the switch must be pushed firmly throughout moonroof closure because the auto-closing function will be inoperable.

▼Jam-safe Moonroof

If a person's hands, head or an object blocks the moonroof during closing operation, the moonroof will stop and open halfway.

⚠ WARNING

Make sure nothing blocks the moonroof just before it reaches the fully closed position:
Blocking the moonroof just before it reaches the closed position is dangerous.
In this case, the jam-safe function cannot prevent the moonroof from stopping. If fingers are caught, serious injuries could occur.

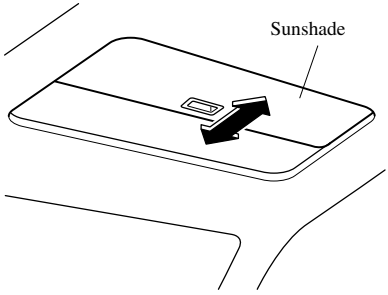
NOTE
- *Depending on driving conditions, a closing moonroof could stop and start opening when the moonroof feels a shock that is similar to something blocking it.*
- *The moonroof's jam-safe function does not function while the moonroof is initializing.*

Information Provided by: DEALER E-PROCESS

▼Sunshade

The sunshade can be opened and closed by hand.

The sunshade opens automatically when the moonroof is opened, but must be closed by hand.



⚠ CAUTION

- *The sunshade does not tilt. To avoid damaging the sunshade, do not push up on it.*
- *Do not close the sunshade while the moonroof is opening. Trying to force the sunshade closed could damage it.*

Information Provided by: DEALER E-PROCESS

Immobilizer System (with Advanced Key)

The immobilizer system allows the engine to start only with an advanced key the system recognizes.

If someone attempts to start the engine with an unrecognized advanced key, the engine will not start, thereby helping to prevent the theft of your vehicle.
If you have a problem with the immobilizer system or the advanced key (including auxiliary key), consult an Authorized Mazda Dealer.

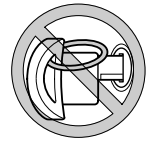
⚠ CAUTION

- *Radio equipment like this is governed by laws in the United States.*
  Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.
- *To avoid damage to the key, do not:*
  - *Drop the key.*
  - *Get the key wet.*
  - *Expose the key to any kind of magnetic field.*
  - *Expose the key to high temperatures on places such as the dashboard or hood, under direct sunlight.*

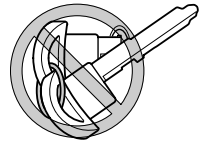
⚠ CAUTION

Do not allow the following when starting the engine with the auxiliary key due to an advanced key dead battery or other malfunction. Otherwise the signal from the auxiliary key will not be received correctly and the engine may not start.

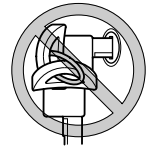
- *A key ring rests on the auxiliary key grip.*



- *Metal parts of other keys or metal objects touch the auxiliary key grip.*



- *Spare auxiliary keys or keys for other vehicles equipped with an immobilizer system touch or come near the auxiliary key.*



Information Provided by: DEALER E-PROCESS

➢ *Devices for electronic purchases, or security passage which touch or come near the auxiliary key.*

NOTE

- *The advanced keys (including auxiliary key) carry a unique electronic code. For this reason, and to assure your safety, obtaining a replacement advanced key (including auxiliary key) requires some waiting time. They are only available through an Authorized Mazda Dealer.*
- *Always keep a spare advanced key in case one is lost. If an advanced key is lost, consult an Authorized Mazda Dealer as soon as possible.*
- *If you lose an advanced key (including auxiliary key), an Authorized Mazda Dealer will reset the electronic codes of your remaining advanced keys (including auxiliary keys) and immobilizer system. Bring all the remaining advanced keys (including auxiliary keys) to an Authorized Mazda Dealer to reset.*
  Starting the vehicle with a key that has not been reset is not possible.

Information Provided by: DEALER E-PROCESS

Declaration of Conformity

Immobilizer system

U.S.A
FCC WARNING
Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:
(1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

CANADA
This device complies with RSS-210 of Industry CANADA. Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

MEXICO
Este equipo opera a titulo secundario, consecuentemente, debe aceptar interferencias perjudiciales incluyendo equipos de la misma clase y puede no causar interferencias a sistemas operando a titulo primario.

Sistema inmovilizador
Modelo : IMB111-04

Sistema inmovilizador con marcado de confirmación por radio

COFETEL RCPMAIM08-0139

UAE : 「Approved by TRA」

Information Provided by: DEALER E-PROCESS

▼Operation

Arming

The system is armed when the ignition is switched from ON to ACC or OFF. The security indicator light in the instrument cluster flashes every 2 seconds until the system is disarmed.

Disarming

The system is disarmed when the ignition is switched ON with the registered advanced key.
The security indicator light illuminates for about 3 seconds and goes out.

If the engine does not start with the correct advanced key, and the security indicator light keeps illuminating or flashing, the system may have a malfunction. Consult an Authorized Mazda Dealer.

NOTE

- *The engine may not start and the security indicator light may illuminate or flash if the advanced key is placed in an area where it is difficult for the system to detect the signal, such as on the dashboard, or in the glove box. Move the advanced key to another place, switch the ignition off, and then restart the engine.*
- *Signals from a TV or radio station, or from a transceiver or a mobile telephone could interfere with your immobilizer system. If you are using the proper advanced key and the engine fails to start, check the security indicator light. If the indicator light is flashing, switch the ignition to ACC or switch the ignition off and wait for a while, then restart the engine. If it does not start after 3 or more tries, contact an Authorized Mazda Dealer.*
- *If the security indicator light flashes continuously while you are driving, do not shut off the engine. Go to an Authorized Mazda Dealer and have it checked. If the engine is shut off while the indicator light is flashing, you will not be able to restart it.*
- *Since the electronic codes are reset when repairing the immobilizer system, the advanced key (including auxiliary key) are needed. Bring all the advanced keys (including auxiliary keys) to an Authorized Mazda Dealer.*

Information Provided by: DEALER E-PROCESS

▼Modification and Add-On Equipment

Mazda cannot guarantee the immobilizer system's operation if the system has been modified or if any add-on equipment has been installed.

⚠ CAUTION

To avoid damage to your vehicle, do not modify the system or install any add-on equipment to the immobilizer system or the vehicle.

Immobilizer System (without Advanced Key)

The immobilizer system allows the engine to start only with a key the system recognizes.

If someone attempts to start the engine with an unrecognized key, the engine will not start, thereby helping to prevent the theft of your vehicle.
If you have a problem with the immobilizer system or the key, consult an Authorized Mazda Dealer.

⚠ CAUTION

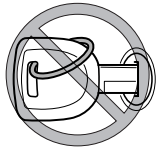
- *Radio equipment like this is governed by laws in the United States.*
  Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.
- *To avoid damage to the key, do not:*
  - *Drop the key.*
  - *Get the key wet.*
  - *Expose the key to any kind of magnetic field.*
  - *Expose the key to high temperatures on places such as the dashboard or hood, under direct sunlight.*

Information Provided by: DEALER E-PROCESS

⚠ CAUTION

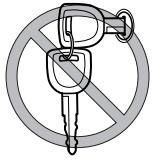
When starting the engine do not allow the following, as the engine may not start due to the electronic signal from the ignition key not being transmitted correctly.

- *A key ring rests on the key grip.*



- *Metal parts of other keys or metal objects touch the key grip.*

- *Spare keys or keys for other vehicles equipped with an immobilizer system touch or come near the key grip.*



- *Devices for electronic purchases, or security passage which touch or come near the key.*

NOTE

- *The keys carry a unique electronic code. For this reason, and to assure your safety, obtaining a replacement key requires some waiting time. They are only available through an Authorized Mazda Dealer.*
- *Always keep a spare key, in case one is lost. If a key is lost, contact an Authorized Mazda Dealer as soon as possible.*
- *If you lose a key, an Authorized Mazda Dealer will reset the electronic codes of your remaining keys and immobilizer system. Bring all the remaining keys to an Authorized Mazda Dealer to reset. Starting the vehicle with a key that has not been reset is not possible.*

Information Provided by: DEALER E-PROCESS

Declaration of Conformity

Immobilizer system

U.S.A
FCC WARNING
Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:
(1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

CANADA
This device complies with RSS-210 of Industry CANADA. Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

MEXICO
Este equipo opera a titulo secundario, consecuentemente, debe aceptar interferencias perjudiciales incluyendo equipos de la misma clase y puede no causar interferencias a sistemas operando a titulo primario.

Sistema inmovilizador
Modelo : IMB111-04

Sistema inmovilizador con marcado de confirmación por radio

COFETEL RCPMAIM08-0139

UAE : 「Approved by TRA」

Information Provided by: DEALER E-PROCESS

▼Operation

Arming

The system is armed when the ignition is switched from ON to ACC or OFF.
The security indicator light in the instrument cluster flashes every two seconds until the system is disarmed.

Disarming

The system is disarmed when the ignition is switched ON with the correct ignition key.
The security indicator light illuminates for about three seconds and goes out.

If the engine does not start with the correct ignition key, and the security indicator light keeps illuminating or flashing, the system may have a malfunction. Consult an Authorized Mazda Dealer.

NOTE

- *Signals from a TV or radio station, or from a transceiver or a mobile telephone, could interfere with your immobilizer system. If you are using the proper key and your engine fails to start, check the security indicator light. If it is flashing, remove the ignition key and wait 2 seconds or more, then reinsert it and try starting the engine again. If it does not start after 3 or more tries, contact an Authorized Mazda Dealer.*
- *If the security indicator light flashes continuously while you are driving, do not shut off the engine. Go to an Authorized Mazda Dealer and have it checked. If you shut off the engine while the light is flashing you will not be able to restart it.*
- *Since the electronic codes are reset when repairing the immobilizer system, the keys are needed. Bring all the existing keys to an Authorized Mazda Dealer.*

▼Modification and Add-On Equipment

Mazda cannot guarantee the immobilizer system's operation if the system has been modified or if any add-on equipment has been installed.

⚠CAUTION

To avoid damage to your vehicle, do not modify the system or install any add-on equipment to the immobilizer system or the vehicle.

Information Provided by: DEALER E-PROCESS

Theft-Deterrent System *

If the theft deterrent system detects an inappropriate entry into the vehicle, which could result in the vehicle or its contents being stolen, the alarm alerts the surrounding area of an abnormality by sounding the horn and flashing the hazard warning lights.
Refer to Operation on page 3-58.

NOTE

- *The theft-deterrent system operates with the key or the keyless entry system transmitter.*
- ***(With advanced key)***
  The theft-deterrent system can also be operated using the advanced keyless function.
  The system operates only when the driver is in the vehicle or within operational range while the advanced key is being carried.
- *The system will not function unless it is properly armed. To properly secure the vehicle, always make sure all windows are completely closed and all doors and the trunk lid are locked before leaving the vehicle. Remember to take your key and transmitter.*

▼Operation

System triggering conditions

The horn sounds intermittently and the hazard warning lights flash for about 30 seconds when the system is triggered by any one of the following:

- Forcing open a door, the hood or the trunk lid.
- Unlocking a door with the inside door-lock knob.
- Unlocking a door with the door lock switch.
- Opening a door by operating an inside door-lock knob.
- Opening the hood by operating the hood release handle.
- **(Without advanced key)**
  Switching the ignition ON without the key.
  (With advanced key)
  Switching the ignition ON without using the push button start.
- Opening the trunk lid by operating the trunk lid release button.

If the system is triggered again, the lights and horn will activate until a door is unlocked or the trunk lid is opened with the key or with the transmitter.
(With advanced key)
The lights and horn can also be deactivated by unlocking a door using the sensor on the inside of the door handle.

NOTE

If the battery goes dead while the theft-deterrent system is armed, the horn will activate and the hazard warning lights will flash when the battery is charged or replaced.

▼How to Arm the System

1. Close the windows and the moonroof securely.
2. Remove the key from the ignition switch.
   (With advanced key)
   Press the push button start to off position, if the auxiliary key is inserted in the key slot, remove it.

Information Provided by: DEALER E-PROCESS

3. Make sure all the windows, the moonroof, the hood and the trunk lid are closed. Close and lock all doors and the trunk lid from the outside using the key. If you have the keyless entry system, press the lock button on the transmitter.
   The hazard warning lights will flash once to indicate that the system is armed.
   The following method will also arm the theft-deterrent system:
   (With advanced key)
   Press a request switch on the doors or the lock button on the transmitter.
   (Without advanced key)
   Close the hood and the trunk lid. Press the area on the door-lock switch marked "🔒" once. Close all doors.

The theft deterrent system can also be armed by activating the auto re-lock function with all the doors, the trunk lid and the hood closed.

4. After 20 seconds, the system is fully armed.

NOTE

- *The system will disarm if one of the following operations takes place within 20 seconds after closing the trunk lid/hood and locking all the doors:*
  - *Pressing the unlock button on the transmitter.*
  - *Any door or the trunk lid is opened.*
  - *Unlocking a door with the inside door-lock knob.*
  - *The hood is opened.*
  - *The key is inserted in the ignition switch.*
  - *The auxiliary key is inserted into the key slot (With advanced key).*
  - *The push button start is pressed or a door is unlocked using the sensor on the inside of the door handle (With advanced key).*
  - *The ignition is switched ON.*

  To rearm the system, do the arming procedure again.
- *When the doors are locked by pressing the lock button on the transmitter or request switch on the front doors or using the key while the theft-deterrent system is armed, the hazard warning lights will flash once to indicate that the system is armed.*
- *There is nothing to sense that a window or the moonroof is open in the system, you must confirm the windows and moonroof before you activate the system, and be careful with the advanced key not to open the windows and moonroof unintentionally when unlocking the vehicle.*

▼To Turn Off an Armed System

An armed system can be turned off by any one of the following methods:

- Unlock a door with the key.
- Press the unlock button on the keyless entry system transmitter.
- The ignition is switched ON.

Information Provided by: DEALER E-PROCESS

- **(With advanced key)**
  Unlock a door using the sensor on the inside of the door handle.

The hazard warning lights will flash twice to indicate that the system is turned off.

NOTE
When the doors are unlocked by pressing the unlock button on the transmitter or using the key while the theft-deterrent system is turned off, the hazard warning lights will flash twice to indicate that the system is turned off.

▼To Stop the Alarm

A triggered alarm can be turned off by any one of the following methods:
- Unlock a door with the key.
- Press the unlock button or press and hold the trunk button on the keyless entry system transmitter.
- The engine is started with the ignition key.
- **(With advanced key)**
  - Press the unlock button or press and hold the trunk button on the transmitter.
  - Unlock a door using the sensor on the inside of the door handle.
  - The engine is started with the push button start.

NOTE
If you have any problem with the theft-deterrent system, consult an Authorized Mazda Dealer.

▼Theft-Deterrent Labels

A label indicating that your vehicle is equipped with a Theft-Deterrent System is in the glove compartment.

Mazda recommends that you affix it to the lower rear corner of a front door window.

Information Provided by: DEALER E-PROCESS

Steering Wheel

⚠ WARNING

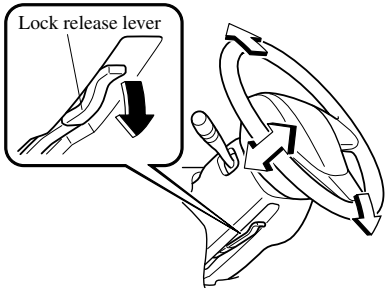
Never adjust the steering wheel while the vehicle is moving:

Adjusting the steering wheel while the vehicle is moving is dangerous. Moving it can very easily cause the driver to abruptly turn to the left or right. This can lead to loss of control or an accident.

▼Steering Wheel Adjustment

To change the angle or length of the steering wheel:

1. Stop the vehicle, pull down the lock release lever under the steering column.



2. Tilt the steering wheel and/or adjust the steering column length to the desired positions, push the lever up to lock the column.
3. Push the wheel up and down to be certain it's locked before driving.

Mirrors

▼Outside Mirrors

Check the mirror angles before driving.

Mirror type

Flat type (driver's side)
Flat surface mirror.
Convex type (front passenger side)
The mirror has single curvature on its surface.

⚠ WARNING

Be sure to look over your shoulder before changing lanes:

Changing lanes without looking over the appropriate shoulder is dangerous, particularly not taking the actual distance of the vehicle in the right convex mirror. You could have a serious accident. What you see in the convex mirror is closer than it appears.

Power mirror

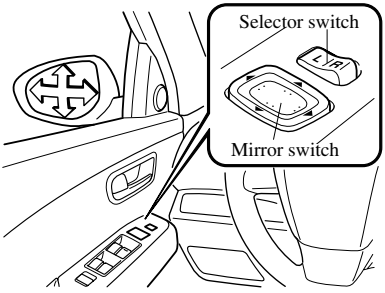
The ignition must be switched to ACC or ON.

To adjust:

1. Press the left or right side of the selector switch to choose the left or right side mirror.

Information Provided by: DEALER E-PROCESS

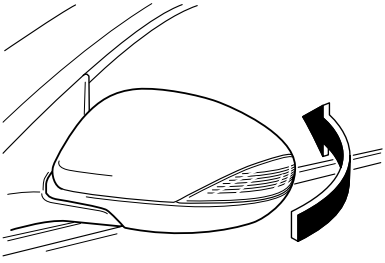
2. Depress the mirror switch in the appropriate direction.



After adjusting the mirror, lock the control by placing the selector switch in the center position.

Folding the mirror*

Fold the outside mirror rearward until it is flush with the vehicle.



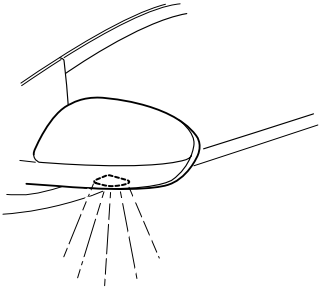
⚠ WARNING

Always return the outside mirrors to the driving position before you start driving:

Driving with the outside mirrors folded in is dangerous. Your rear view will be restricted, and you could have an accident.

Ground illumination light*

The ground illumination light turns on or off when the illuminated entry system is on (page 6-142).



Driver's side auto-dimming door mirror*

The movement of the auto-dimming door mirror is interlocked with the auto-dimming rearview mirror in the interior to automatically reduce glare from rear on-coming vehicles.

Refer to Rearview Mirror on page 3-62.

NOTE

Front passenger-side door mirror does not have auto-dimming feature.

▼Rearview Mirror

⚠ WARNING

Do not stack cargo or objects higher than the seatbacks:

Cargo stacked higher than the seatbacks is dangerous. It can block your view in the rearview mirror, which might cause you to hit another car when changing lanes.

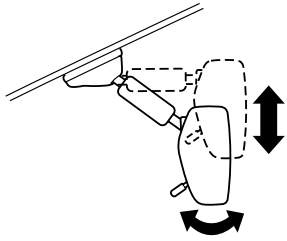
 *Some models.

Information Provided by: DEALER E-PROCESS

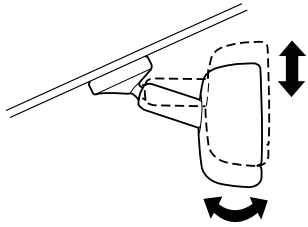
Rearview mirror adjustment

Before driving, adjust the rearview mirror to center on the scene through the rear window.

Manual day/night mirror



Auto-dimming mirror



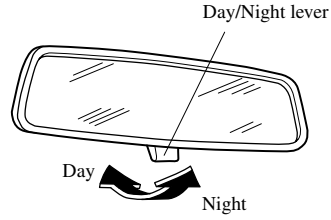
NOTE

For the manual day/night mirror, perform the adjustment with the day/night lever in the day position.

Reducing glare from headlights

Manual day/night mirror

Push the day/night lever forward for day driving. Pull it back to reduce glare of headlights from cars at the rear.

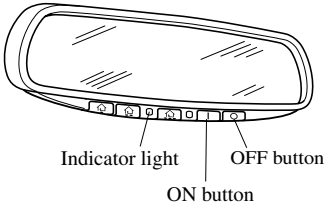


Auto-dimming mirror

The auto-dimming mirror automatically reduces glare of headlights from cars at the rear when the ignition is switched ON. The door mirrors also adjust in conjunction with the interior rear view mirror.

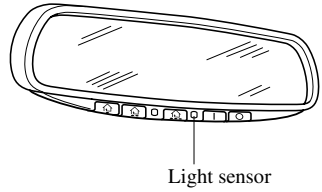
Information Provided by: DEALER E-PROCESS

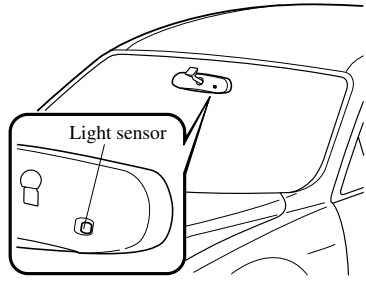
Press the OFF button (○) to cancel the automatic dimming function. The indicator light will turn off.
To reactivate the automatic dimming function, press the ON button (I). The indicator light will illuminate.



NOTE

- *Do not use glass cleaner or suspend objects on or around the light sensor. Otherwise, light sensor sensitivity will be affected and may not operate normally.*





- *For information regarding the 3 buttons (, ,) on the auto-dimming mirror, refer to HomeLink Wireless Control System (page 5-73).*
- *The auto-dimmer function is canceled when the ignition is switched ON and the shift lever/selector lever is in reverse (R).*

Information Provided by: DEALER E-PROCESS

4 Before Driving Your Mazda

Important information about driving your Mazda.

Fuel and Engine Exhaust Precautions 4-2
Fuel Requirements 4-2
Emission Control System 4-3
Engine Exhaust (Carbon Monoxide) 4-4

Before Starting the Engine 4-5
Before Getting In 4-5
After Getting In 4-5

Driving Tips 4-6
Break-In Period 4-6
Money-Saving Suggestions 4-6
Hazardous Driving 4-7
Floor Mat 4-7
Rocking the Vehicle 4-8
Winter Driving 4-8
Driving In Flooded Area 4-9
Overloading 4-10
Driving on Uneven Road 4-11

Towing 4-12
Trailer Towing 4-12

Information Provided by: DEALER E-PROCESS

Fuel and Engine Exhaust Precautions

Fuel Requirements

Vehicles with catalytic converters or oxygen sensors must use ONLY UNLEADED FUEL, which will reduce exhaust emissions and keep spark plug fouling to a minimum.

Your Mazda will perform best with fuel listed in the table.

Fuel	Octane Rating* (Anti-knock index)
Regular unleaded fuel	87 [(R+M)/2 method] or above (91 RON or above)

* U.S. federal law requires that octane ratings be posted on gasoline station pumps.
Fuel with a rating lower than 87 octane (91 RON) could cause the emission control system to lose effectiveness. It could also cause engine knocking and serious engine damage.

⚠ CAUTION

- *USE ONLY UNLEADED FUEL.*
  Leaded fuel is harmful to the catalytic converter and oxygen sensors and will lead to deterioration of the emission control system and or failures.
- *Your vehicle can only use oxygenated fuels containing no more than 10 % ethanol by volume. Damage to your vehicle may occur when ethanol exceeds this recommendation, or if the gasoline contains any methanol. Stop using gasohol of any kind if your vehicle engine is performing poorly.*
- *Never add fuel system additives. Otherwise, the emission control system could be damaged. Consult an Authorized Mazda Dealer for details.*

Gasoline blended with oxygenates such as alcohol or ether compounds are generally referred to as oxygenated fuels. The common gasoline blend that can be used with your vehicle is ethanol blended at no more than 10%. Gasoline containing alcohol, such as ethanol or methanol, may be marketed under the name “Gasohol”.

Vehicle damage and drivability problems resulting from the use of the following may not be covered by the Mazda warranty.

- Gasohol containing more than 10% ethanol.
- Gasoline or gasohol containing methanol.
- Leaded fuel or leaded gasohol.

Information Provided by: DEALER E-PROCESS

Emission Control System

Your vehicle is equipped with an emission control system (the catalytic converter is part of this system) that enables your vehicle to comply with existing exhaust emissions requirements.

⚠ WARNING

Never park over or near anything flammable:

Parking over or near anything flammable, such as dry grass, is dangerous. Even with the engine turned off, the exhaust system remains very hot after normal use and could ignite anything flammable. A resulting fire could cause serious injury or death.

⚠ CAUTION

Ignoring the following precautions could cause lead to accumulate on the catalyst inside the converter or cause the converter to get very hot. Either condition will damage the converter and cause poor performance.

- *USE ONLY UNLEADED FUEL.*
- *Do not drive your Mazda with any sign of engine malfunction.*
- *Do not coast with the ignition switched off.*
- *Do not descend steep grades in gear with the ignition switched off.*
- *Do not operate the engine at high idle for more than 5 minutes.*
- *Do not tamper with the emission control system. All inspections and adjustments must be made by a qualified technician.*
- *Do not push-start or pull-start your vehicle.*

NOTE

Under U.S. federal law, any modification to the original-equipment emission control system before the first sale and registration of a vehicle is subject to penalties. In some states, such modification made on a used vehicle is also subject to penalties.

NOTE

After the vehicle has been driven a certain distance and the engine is turned off, the sound of a valve opening and closing can be heard. This does not indicate an abnormality. Your vehicle has a self-checking mechanism which operates after the engine is turned off.

Information Provided by: DEALER E-PROCESS

Fuel and Engine Exhaust Precautions

Engine Exhaust (Carbon Monoxide)

⚠ WARNING

Do not drive your vehicle if you smell exhaust gas inside the vehicle:

Engine exhaust gas is dangerous. This gas contains carbon monoxide (CO), which is colorless, odorless, and poisonous. When inhaled, it can cause loss of consciousness and death. If you smell exhaust gas inside your vehicle, keep all windows fully open and contact an Authorized Mazda Dealer immediately.

Do not run the engine when inside an enclosed area:

Running the engine inside an enclosed area, such as a garage, is dangerous. Exhaust gas, which contains poisonous carbon monoxide, could easily enter the cabin. Loss of consciousness or even death could occur.

Open the windows or adjust the heating or cooling system to draw fresh air when idling the engine:

Exhaust gas is dangerous. When your vehicle is stopped with the windows closed and the engine running for a long time even in an open area, exhaust gas, which contains poisonous carbon monoxide, could enter the cabin. Loss of consciousness or even death could occur.

Clear snow from underneath and around your vehicle, particularly the tail pipe, before starting the engine:

Running the engine when a vehicle is stopped in deep snow is dangerous. The exhaust pipe could be blocked by the snow, allowing exhaust gas to enter the cabin. Because exhaust gas contains poisonous carbon monoxide, it could cause loss of consciousness or even death to occupants in the cabin.

Information Provided by: DEALER E-PROCESS

Before Getting In

- Be sure the windows, outside mirrors, and outside lights are clean.
- Inspect inflation pressures and condition of tires.
- Look under the vehicle for any sign of fluid leaks.
- If you plan to back up, make sure nothing is in your way.

NOTE

Engine oil, engine coolant, brake/clutch fluid, washer fluid, and other fluid levels should be inspected. See Maintenance, Section 8.

After Getting In

- Are all doors closed and locked?
- Is the seat adjusted properly?
- Are the inside and outside mirrors adjusted?
- Is the steering wheel adjusted properly?
- Is everyone's seat belt fastened?
- Check all gauges.
- Check all warning lights when the ignition is switched ON.
- Release the parking brake and make sure the brake warning light goes off.

Always be thoroughly familiar with your Mazda.

Information Provided by: DEALER E-PROCESS

Driving Tips

Break-In Period

No special break-in is necessary, but a few precautions in the first 1,000 km (600 miles) may add to the performance, economy, and life of your Mazda.

- Do not race the engine.
- Do not maintain one constant speed, either slow or fast, for a long period of time.
- Do not drive constantly at full-throttle or high engine rpm for extended periods of time.
- Avoid unnecessary hard stops.
- Avoid full-throttle starts.

Money-Saving Suggestions

How you operate your Mazda determines how far it will travel on a tank of fuel. Use these suggestions to help save money on fuel and repairs.

- Avoid long warm-ups. Once the engine runs smoothly, begin driving.
- Avoid fast starts.
- Keep the engine tuned. Follow the maintenance schedule (page 8-3) and have an Authorized Mazda Dealer perform inspections and servicing.
- Use the air conditioner only when necessary.
- Slow down on rough roads.
- Keep the tires properly inflated.
- Do not carry unnecessary weight.
- Do not rest your foot on the brake pedal while driving.
- Keep the wheels in correct alignment.
- Keep windows closed at high speeds.
- Slow down when driving in crosswinds and headwinds.

⚠ WARNING

Never stop the engine when going down a hill:

Stopping the engine when going down a hill is dangerous. This causes the loss of power steering and power brake control, and may cause damage to the drivetrain. Any loss of steering or braking control could cause an accident.

Information Provided by: DEALER E-PROCESS

Hazardous Driving

⚠ WARNING

Be extremely careful if it is necessary to downshift on slippery surfaces:

Downshifting into lower gear while driving on slippery surfaces is dangerous. The sudden change in tire speed could cause the tires to skid. This could lead to loss of vehicle control and an accident.

Do not rely on ABS as a substitute for safe driving:

The ABS cannot compensate for unsafe and reckless driving, excessive speed, tailgating (following another vehicle too closely), driving on ice and snow, and hydroplaning (reduced tire friction and road contact because of water on the road surface). You can still have an accident.

When driving on ice or in water, snow, mud, sand, or similar hazards:

- Be cautious and allow extra distance for braking.
- Avoid sudden braking and sudden maneuvering.
- Do not pump the brakes. Continue to press down on the brake pedal. Refer to Anti-Lock Brake System (ABS) on page 5-8.
- If you get stuck, select a lower gear and accelerate slowly. Do not spin the front wheels.
- For more traction in starting on slippery surfaces such as ice or packed snow, use sand, rock salt, chains, carpeting, or other nonslip material under the front wheels.

NOTE

Use snow chains only on the front wheels.

Floor Mat

⚠ WARNING

Make sure the floor mats are hooked on the retention pins to prevent them from bunching up under the foot pedals:

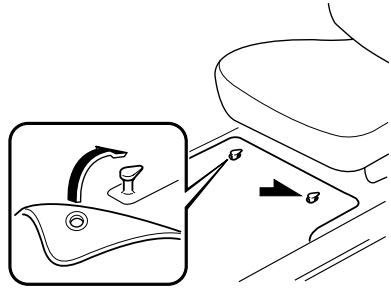
Using a floor mat that is not secured is dangerous as it will interfere with the accelerator and brake pedal operation, which could result in an accident.

Do not install two floor mats, one on top of the other, on the driver's side:

Installing two floor mats, one on top of the other, on the driver's side is dangerous as the retention pins can only keep one floor mat from sliding forward.

In using a heavy duty floor mat for winter use always remove the original floor mat.

Loose floor mat(s) will interfere with the foot pedal and could result in an accident.



When setting a floor mat, position the floor mat so that its eyelets are inserted over the pointed end of the retention posts.

Information Provided by: DEALER E-PROCESS

Rocking the Vehicle

⚠ WARNING

Do not spin the wheels at more than 56 km/h (35 mph), and do not allow anyone to stand behind a wheel when pushing the vehicle:

When the vehicle is stuck, spinning the wheels at high speed is dangerous. The spinning tire could overheat and explode. This could cause serious injuries.

⚠ CAUTION

Too much rocking may cause engine overheating, transaxle failure, and tire damage.

If you must rock the vehicle to free it from snow, sand or mud, depress the accelerator slightly and slowly move the shift lever from 1 (D) to R.

Winter Driving

- Carry emergency gear, window scraper, flares, a small shovel, jumper cables, and a small bag of sand or salt.

Ask an Authorized Mazda Dealer to perform the following precautions:

- Have the proper ratio of antifreeze in the radiator.
  Refer to Engine Coolant on page 8-22.
- Inspect the battery and its cables. Cold reduces battery capacity.
- Use only cold-weather engine oil (page 8-19).
- Inspect the ignition system for damage and loose connections.
- Use washer fluid made with antifreeze—but do not use engine coolant antifreeze for washer fluid (page 8-26).
- Do not use the parking brake in freezing weather as it may freeze. Instead, shift to P with an automatic transaxle and to 1 or R with a manual transaxle. Block the rear wheels.
- Do not apply excessive force to a window scraper when removing ice or frozen snow on the mirror glass and windshield.
- Never use warm or hot water for removing snow or ice from windows and mirrors as it could result in the glass cracking.
- Braking performance can be adversely affected if snow or ice adheres to the brake equipment. If this situation occurs, drive the vehicle slowly, releasing the accelerator pedal and lightly applying the brakes several times until the brake performance returns to normal.

Information Provided by: DEALER E-PROCESS

▼Snow Tires

Use snow tires on all four wheels

Do not go faster than 120 km/h (75 mph) while driving with snow tires. Inflate snow tires 30 kPa (0.3 kgf/cm^2, 4.3 psi) more than recommended on the tire pressure label (driver's door frame), but never more than the maximum cold-tire pressure shown on the tires.
Your vehicle is originally equipped with all season radials designed to be used all year around. In some extreme climates you may find it necessary to replace them with snow tires during the winter months to further improve traction on snow and ice covered roads.

⚠ WARNING

Use only the same size and type tires (snow, radial, or non-radial) on all four wheels:

Using tires different in size or type is dangerous. Your vehicle's handling could be greatly affected and result in an accident.

⚠ CAUTION

Check local regulations before using studded tires.

▼Tire Chains

This vehicle cannot be operated with tire chains because it could cause interference with the vehicle body and scratching.

Driving In Flooded Area

⚠ WARNING

Dry wet brakes by driving very slowly and applying the brakes lightly until brake performance returns to normal:

Driving with wet brakes is dangerous. Increased stopping distance or the vehicle pulling to one side when braking could result in a serious accident. Light braking will indicate whether the brakes have been affected.

⚠ CAUTION

Do not drive the vehicle on flooded roads as it could cause short circuiting of electrical/electronic parts, or engine damage or stalling from water absorption. If the vehicle has been immersed in water, consult an Authorized Mazda Dealer.

Information Provided by: DEALER E-PROCESS

Overloading

⚠ WARNING

Be careful not to overload your vehicle:
The gross axle weight rating (GAWR) and the gross vehicle weight rating (GVWR) of your vehicle are on the Motor Vehicle Safety Standard Label on the driver's door frame. Exceeding these ratings can cause an accident or vehicle damage. You can estimate the weight of your load by weighing the items (or people) before putting them in the vehicle.

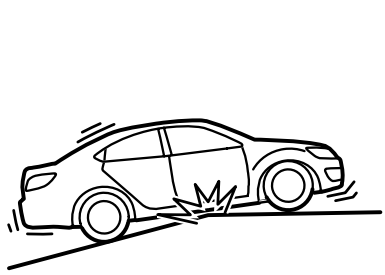
Information Provided by: DEALER E-PROCESS

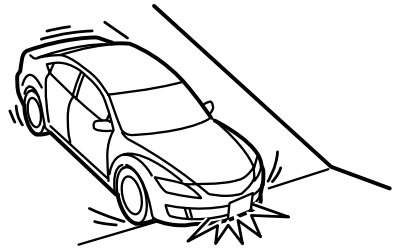
Driving on Uneven Road

Your vehicle's suspension and underbody can be damaged if driven on rough/uneven roads or over speed bumps at excessive speeds. Use care and reduce speed when traveling on rough/uneven roads or over speed bumps.

Use care not to damage the vehicle's underbody, bumpers or muffler(s) when driving under the following conditions:

- Ascending or descending a slope with a sharp transition angle
- Ascending or descending a driveway or trailer ramp with a sharp transition angle





Your vehicle is equipped with low profile tires allowing class-leading performance and handling. As a result, the sidewall of the tires are very thin and the tires and wheels can be damaged if driven through potholes or on rough/uneven roads at excessive speeds. Use care and reduce speed when traveling on rough/uneven roads or through potholes.

Information Provided by: DEALER E-PROCESS

Trailer Towing

The Mazda6 is not designed for towing. Never tow a trailer with your Mazda6.

Information Provided by: DEALER E-PROCESS

5 Driving Your Mazda

Explanation of instruments and controls.

Starting and Driving 5-2
Ignition Switch 5-2
Starting the Engine 5-4
Turning the Engine Off 5-5
Brake System 5-5
Manual Transaxle Operation 5-11
Automatic Transaxle Controls 5-13
Power Steering 5-20
Cruise Control* 5-20
Traction Control System (TCS) 5-24
Dynamic Stability Control (DSC) 5-25
Tire Pressure Monitoring System 5-27
Blind Spot Monitoring (BSM) System* 5-33

Instrument Cluster and Indicators 5-38
Meters and Gauges 5-38

Warning/Indicator Lights and Beep Sounds 5-44
Warning/Indicator Lights 5-44
Beep Sounds 5-59

Switches and Controls 5-61
Lighting Control 5-61
Turn and Lane-Change Signals 5-66
Fog Lights* 5-67
Windshield Wipers and Washer 5-67
Rear Window Defroster 5-71
Horn 5-72
Hazard Warning Flasher 5-73
HomeLink Wireless Control System* 5-73

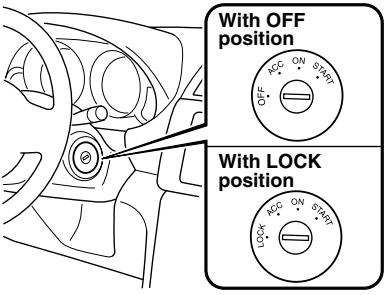
*Some models.

Information Provided by: DEALER E-PROCESS

Ignition Switch

With advanced key
Refer to “Starting the engine (page 3-10)” for information on how to use the ignition switch.

▼Ignition Switch Positions (without Advanced Key)

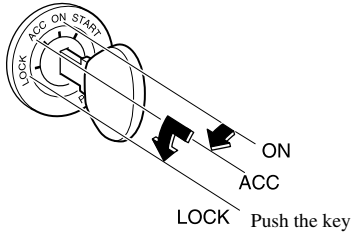


The engraved mark on the actual vehicle may read OFF or LOCK depending on the type of ignition system.

OFF/LOCK

The power supply to electrical devices is turned off. Only in this position can the key be removed.

Two-stage unlock type*
To switch the ignition from ACC to OFF/LOCK, push the key in at the ACC position, then turn it to the OFF/LOCK position.



 *Some models.

Information Provided by: DEALER E-PROCESS

⚠ WARNING

Remove the key only when the vehicle is parked (with steering lock mechanism):

Removing the key from the ignition switch while the vehicle is moving is dangerous. Removing the key allows the steering wheel to lock. You will lose steering control and a serious accident could occur.

Before leaving the driver's seat, always switch the ignition off, set the parking brake, and make sure the shift lever is in P (automatic transaxle) or in 1st gear or R (manual transaxle):

Leaving the driver's seat without switching the ignition off, setting the parking brake, and shifting the shift lever to P (automatic transaxle) or to 1st gear or R (manual transaxle) is dangerous. Unexpected vehicle movement could occur which could result in an accident.

In addition, if your intention is to leave the vehicle for even a short period, it is important to switch the ignition off, as leaving it in another position will disable some of the vehicle's security systems and run the battery down.

NOTE

If turning the key is difficult, move the steering wheel left and right.

Leaving the key in any position but the OFF/LOCK position also disables some of the security features and may run the battery down.

ACC (Accessory)

In this position, some electrical accessories will operate.

ON

This is the normal running position after the engine is started. Some indicator lights/warning lights should be inspected before the engine is started (page 5-44).

NOTE

When the ignition is switched ON, the sound of the fuel pump motor operating near the fuel tank can be heard. This does not indicate an abnormality.

START

The engine is started in this position. It will crank until you release the key. It then returns to the ON position.

▼Ignition Key Reminder

If the ignition is switched off or the ignition is switched to ACC with the key inserted, a continuous beep sound will be heard when the driver's door is opened.

Information Provided by: DEALER E-PROCESS

Starting the Engine

With advanced key
Refer to “Starting the engine (page 3-10)” for information on how to start the engine.

NOTE
Engine-starting is controlled by the spark ignition system.
This system meets all Canadian Interference-Causing Equipment Standard requirements regulating the impulse electrical field strength of radio noise.

1. Occupants should fasten their seat belts.
2. Make sure the parking brake is on.
3. Depress the brake pedal.
4. **(Manual transaxle)**
   Depress the clutch pedal all the way and shift into neutral.
   Keep the clutch pedal depressed while cranking the engine.
   (Automatic transaxle)
   Put the vehicle in park (P). If you must restart the engine while the vehicle is moving, shift into neutral (N).

NOTE
(Manual transaxle)
The starter will not operate unless the clutch is depressed sufficiently.
(Automatic transaxle)
The starter will not operate if the shift lever is ***not*** *in P or N.*

5. Switch the ignition to START and hold (up to 10 seconds at a time) until the engine starts.

⚠ CAUTION

Do not try the starter for more than 10 seconds at a time. If the engine stalls or fails to start, wait 10 seconds before trying again. Otherwise, you may damage the starter and drain the battery.

6. After starting the engine, let it idle for about 10 seconds.

NOTE
- *In extremely cold weather or after the vehicle has not been driven in several days, let the engine warm up without operating the accelerator.*
- *Whether the engine is cold or warm, it should be started without use of the accelerator.*
- *If the engine does not start the first time, refer to Starting a Flooded Engine under Emergency Starting. If the engine still does not start, have your vehicle inspected by an Authorized Mazda Dealer (page 7-15).*

Form No.8CD1-EA-11C
Information Provided by: DEALER E-PROCESS

Turning the Engine Off

1. Stop the vehicle completely.
2. **(Manual transaxle)**
   Shift into neutral.
   (Automatic transaxle)
   Shift the shift lever to the P position.
3. **(Without Advanced Keyless Entry & Push Button Start System)**
   Switch the ignition from ON to OFF/LOCK.
   (With Advanced Keyless Entry & Push Button Start System)
   Press the push button start to turn off the engine.

⚠ WARNING

Do not stop the engine while the vehicle is moving:

Stopping the engine while the vehicle is moving for any reason other than in an emergency is dangerous. Stopping the engine while the vehicle is moving will result in reduced maneuverability and braking ability due to the loss of power steering and power braking, which could cause an accident and serious injury.

⚠ CAUTION

When leaving the vehicle, make sure the ignition is switched off.

Brake System

▼Foot Brake

Your Mazda has power-assisted brakes that adjust automatically through normal use.

Should power-assist fail, you can stop by applying greater force than normal to the brake pedal. But the distance required to stop will be greater than usual.

Information Provided by: DEALER E-PROCESS

⚠ WARNING

Do not coast with the engine stalled or turned off, find a safe place to stop:

Coasting with the engine stalled or turned off is dangerous. Braking will require more effort, and the brake's power-assist could be depleted if you pump the brake. This will cause longer stopping distances or even an accident.

Shift to a lower gear when going down steep hills:

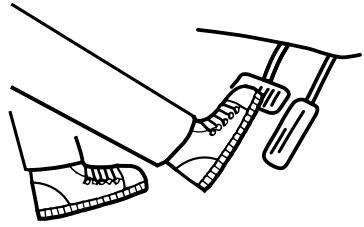
Driving with your foot continuously on the brake pedal or steadily applying the brakes for long distances is dangerous. This causes overheated brakes, resulting in longer stopping distances or even total brake failure. This could cause loss of vehicle control and a serious accident. Avoid continuous application of the brakes.

Dry off brakes that have become wet by driving slowly, releasing the accelerator pedal and lightly applying the brakes several times until the brake performance returns to normal:

Driving with wet brakes is dangerous. Increased stopping distance or the vehicle pulling to one side when braking could result in a serious accident. Light braking will indicate whether the brakes have been affected.

⚠ CAUTION

- *Do not drive with your foot held on the clutch pedal or brake pedal, or hold the clutch pedal depressed halfway unnecessarily. Doing so could result in the following:*
  - *The clutch and brake parts will wear out more quickly.*
  - *The brakes can overheat and adversely affect brake performance.*
- *Always depress the brake pedal with the right foot. Applying the brakes with the unaccustomed left foot could slow your reaction time to an emergency situation resulting in insufficient braking operation.*



- *Wear shoes appropriate for driving in order to avoid your shoe contacting the brake pedal when depressing the accelerator pedal.*

Information Provided by: DEALER E-PROCESS

▼Parking Brake

⚠ WARNING

Before leaving the driver's seat, always switch the ignition off, set the parking brake, and make sure the shift lever is in P (automatic transaxle) or in 1st gear or R (manual transaxle):

Leaving the driver's seat without switching the ignition off, setting the parking brake, and shifting the shift lever to P (automatic transaxle) or to 1st gear or R (manual transaxle) is dangerous. Unexpected vehicle movement could occur which could result in an accident.

In addition, if your intention is to leave the vehicle for even a short period, it is important to switch the ignition off, as leaving it in another position will disable some of the vehicle's security systems and run the battery down.

⚠ CAUTION

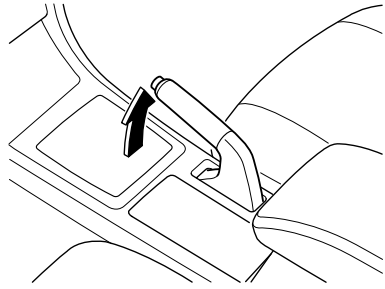
Driving with the parking brake on will cause excessive wear of the brake linings or pads.

NOTE

For parking in snow, refer to Winter Driving (page 4-8) regarding parking brake use.

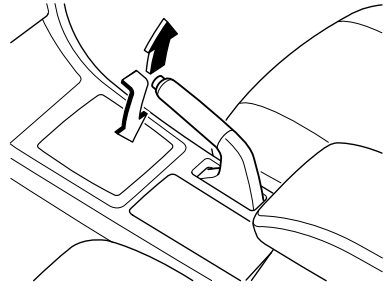
Setting the parking brake

Depress the brake pedal and then firmly pull the parking brake lever fully upwards with sufficient force to hold the vehicle in a stationary position.



Releasing the parking brake

Depress the brake pedal and pull the parking brake lever upwards, then press the release button. While holding the button, lower the parking brake lever all the way down to the released position.



Information Provided by: DEALER E-PROCESS

▼Brake System Warning Light

This warning has the following functions:

Parking brake warning

The light illuminates when the parking brake is applied with the ignition switched to START or ON. It turns off when the parking brake is fully released.

Low brake fluid level warning

If the light stays on after the parking brake is fully released, you may have a brake problem.

Brake system warning (2.5-liter engine)*1

Illuminates when there is a malfunction in the brake switch.

Drive to the side of the road and park off the right-of-way.

You may notice that the pedal is harder to depress or that it may go closer to the floor. In either case, it will take longer to stop the vehicle.

1. With the engine stopped, open the hood and check the brake fluid level immediately, and then add fluid if required (page 8-24).
2. After adding fluid, check the light again.

If the warning light remains on, or if the brakes do not operate properly, do not drive the vehicle. Have it towed to an Authorized Mazda Dealer.

Even if the light turns off, have your brake system inspected as soon as possible by an Authorized Mazda Dealer.

NOTE

Having to add brake fluid is sometimes an indicator of leakage. Consult an Authorized Mazda Dealer as soon as possible even if the brake light is no longer illuminated.

⚠ WARNING

Do not drive with the brake system warning light illuminated. Contact an Authorized Mazda Dealer to have the brakes inspected as soon as possible:

Driving with the brake system warning light illuminated is dangerous. It indicates that your brakes may not work at all or that they could completely fail at any time. If this light remains illuminated, after checking that the parking brake is fully released, have the brakes inspected immediately.

▼Anti-Lock Brake System (ABS)

The ABS control unit continuously monitors the speed of each wheel. If one wheel is about to lock up, the ABS responds by automatically releasing and reapplying that wheel's brake.

The driver will feel a slight vibration in the brake pedal and may hear a chattering noise from the brake system. This is normal ABS system operation. Continue to depress the brake pedal without pumping the brakes.

*Some models.

Information Provided by: DEALER E-PROCESS

⚠ WARNING

Do not rely on ABS as a substitute for safe driving:

The ABS cannot compensate for unsafe and reckless driving, excessive speed, tailgating (following another vehicle too closely), driving on ice and snow, and hydroplaning (reduced tire friction and road contact because of water on the road surface). You can still have an accident.

NOTE

- *Braking distances may be longer on loose surfaces (snow or gravel, for example) which usually have a hard foundation. A vehicle with a normal braking system may require less distance to stop under these conditions because the tires will build up a wedge of surface layer when the wheels skid.*
- *The sound of the ABS operating may be heard when starting the engine or immediately after starting the vehicle, however, it does not indicate a malfunction.*

▼ABS Warning Light

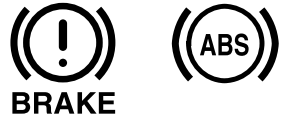
The warning light stays on for a few seconds when the ignition is switched ON.

If the ABS warning light stays on while you're driving, the ABS control unit has detected a system malfunction. If this occurs, your brakes will function normally as if the vehicle had no ABS.
Should this happen, consult an Authorized Mazda Dealer as soon as possible.

NOTE

- *When the engine is jump-started to charge the battery, uneven rpm occurs and the ABS warning light may illuminate. If this occurs, it is the result of the weak battery and does not indicate an ABS malfunction. Recharge the battery.*
- *The brake assist system does not operate while the ABS warning light is illuminated.*

▼Electronic Brake Force Distribution System Warning



If the electronic brake force distribution control unit determines that some components are operating incorrectly, the control unit may illuminate the brake system warning light and the ABS warning light on simultaneously. The problem is likely to be the electronic brake force distribution system.

Information Provided by: DEALER E-PROCESS

⚠ WARNING

Do not drive with both the ABS warning light and brake warning light illuminated. Have the vehicle towed to an Authorized Mazda Dealer to have the brakes inspected as soon as possible:

Driving when the brake system warning light and ABS warning light are illuminated simultaneously is dangerous.
When both lights are illuminated, the rear wheels could lock more quickly in an emergency stop than under normal circumstances.

▼Brake Assist

During emergency braking situations when it is necessary to depress the brake pedal with greater force, the brake assist system provides braking assistance, thus enhancing braking performance.

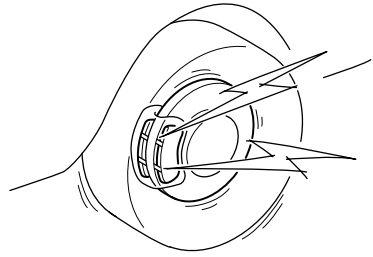
When the brake pedal is depressed hard or depressed more quickly, the brakes apply more firmly.

NOTE

- *When the brake pedal is depressed hard or depressed more quickly, the pedal will feel softer but the brakes will apply more firmly. This is a normal effect of the brake assist operation and does not indicate a malfunction.*
- *When the brake pedal is depressed hard or depressed more quickly, a motor/pump operation noise may be heard. This is a normal effect of the brake assist and does not indicate a malfunction.*
- *The brake assist equipment does not supersede the functionality of the vehicle's main braking system.*

▼Brake Pad Wear Indicator

When the disc brake pads become worn, the built-in wear indicators contact the disc plates. This causes a loud screeching noise to warn that the pads should be replaced.



When you hear this noise, consult an Authorized Mazda Dealer as soon as possible.

⚠ WARNING

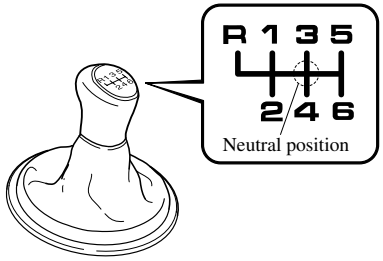
Do not drive with worn disc pads:

Driving with worn disc pads is dangerous. The brakes could fail and cause a serious accident. As soon as you hear a screeching noise consult an Authorized Mazda Dealer.

Information Provided by: DEALER E-PROCESS

Manual Transaxle Operation

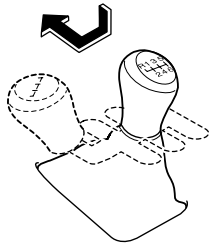
▼Manual Transaxle Shift Pattern



The shift pattern of the transaxle is conventional, as shown.

Depress the clutch pedal all the way down while shifting; then release it slowly.

Your vehicle is equipped with a device to prevent shifting to R (reverse) by mistake. Push the shift lever downward and shift to R.



⚠WARNING

Do not use sudden engine braking on slippery road surfaces or at high speeds:

Shifting down while driving on wet, snowy, or frozen roads, or while driving at high speeds causes sudden engine braking, which is dangerous. The sudden change in tire speed could cause the tires to skid. This could lead to loss of vehicle control and an accident.

Be sure to leave the shift lever in 1 or R position and set the parking brake when leaving the vehicle unattended:

Otherwise the vehicle could move and cause an accident.

⚠CAUTION

- *Keep your foot off the clutch pedal except when shifting gears. Also, do not use the clutch to hold the vehicle on an upgrade. Riding the clutch will cause needless clutch wear and damage.*
- *Do not apply any excessive lateral force to the gear lever when changing from 5th to 4th gear. This could lead to the accidental selection of 2nd gear, which can result in damage to the transaxle.*
- *Make sure the vehicle comes to a complete stop before shifting to R. Shifting to R while the vehicle is still moving may damage the transaxle.*

NOTE

If shifting to R is difficult, shift back into neutral, release the clutch pedal, and try again.

Information Provided by: DEALER E-PROCESS

▼Recommendations for Shifting

Upshifting

For normal acceleration, we recommend these shift points.

Gear	Vehicle speed
1 to 2	24 km/h (15 mph)
2 to 3	43 km/h (27 mph)
3 to 4	56 km/h (35 mph)
4 to 5	72 km/h (45 mph)
5 to 6	90 km/h (56 mph)

For cruising

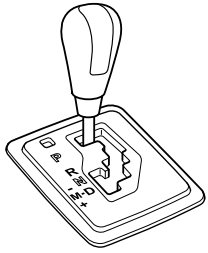
Gear	Vehicle speed
1 to 2	16 km/h (10 mph)
2 to 3	32 km/h (20 mph)
3 to 4	48 km/h (30 mph)
4 to 5	60 km/h (37 mph)
5 to 6	71 km/h (44 mph)

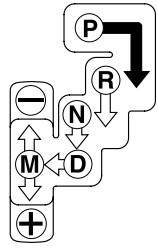
Downshifting

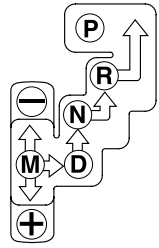
When you must slow down in heavy traffic or on a steep **upgrade**, downshift before the engine starts to overwork. This reduces the chance of stalling and gives better acceleration when you need more speed.
On a steep **downgrade**, downshifting helps maintain safe speed and prolongs brake life.

Information Provided by: DEALER E-PROCESS

Automatic Transaxle Controls







Various Lockouts:

Indicates that you must depress the brake pedal to shift (The ignition must be switched to ACC or ON).

Indicates the shift lever can be shifted freely into any position.

NOTE

The Sport AT has an option that is not included in the traditional automatic transaxle giving the driver the option of selecting each gear instead of leaving it to the transaxle to shift gears. Even if you intend to use the automatic transaxle functions as a traditional automatic, you should also be aware that you can inadvertently shift into manual shift mode and an inappropriate gear may be retained as the vehicle speed increases. If you notice the engine speed going higher or hear the engine racing, confirm you have not accidentally slipped into manual shift mode (page 5-16).

Information Provided by: DEALER E-PROCESS

▼Transaxle Ranges

The shift lever must be in P or N to operate the starter.

P (Park)

P locks the transaxle and prevents the front wheels from rotating.

⚠ WARNING

Always set the shift lever to P and set the parking brake:

Only setting the shift lever to the P position without using the parking brake to hold the vehicle is dangerous. If P fails to hold, the vehicle could move and cause an accident.

⚠ CAUTION

- *Shifting into P, N or R while the vehicle is moving can damage your transaxle.*
- *Shifting into a driving gear or reverse when the engine is running faster than idle can damage the transaxle.*

R (Reverse)

In position R, the vehicle moves only backward. You must be at a complete stop before shifting to or from R, except under rare circumstances as explained in Rocking the Vehicle (page 4-8).

N (Neutral)

In N, the wheels and transaxle are not locked. The vehicle will roll freely even on the slightest incline unless the parking brake or brakes are on.

⚠ WARNING

If the engine is running faster than idle, do not shift from N or P into a driving gear:

It's dangerous to shift from N or P into a driving gear when the engine is running faster than idle. If this is done, the vehicle could move suddenly, causing an accident or serious injury.

Do not shift into N when driving the vehicle:

Shifting into N while driving is dangerous. Engine braking cannot be applied when decelerating which could lead to an accident or serious injury.

⚠ CAUTION

Do not shift into N when driving the vehicle. Doing so can cause transaxle damage.

NOTE

Apply the parking brake or depress the brake pedal before moving the shift lever from N to prevent the vehicle from moving unexpectedly.

D (Drive)

D is the normal driving position. From a stop, the transaxle will automatically shift through a 5-gear/6-gear* sequence.
* 3.7-liter engine

M (Manual)

M is the manual shift mode position. Gears can be shifted up or down by operating the shift lever.
Refer to Manual Shift Mode (page 5-16).

Information Provided by: DEALER E-PROCESS

▼Active Adaptive Shift (AAS)

Active Adaptive Shift (AAS) automatically controls the transaxle shift points to best suit the road conditions and driver input. This optimizes engine performance and improves driving comfort. When cornering the vehicle, AAS mode will hold the transaxle in the gear the vehicle was in before entering the curve, allowing the vehicle to be accelerated from the same gear after exiting the curve.
If the driver accelerates rapidly, or accelerates and decelerates rapidly by operating the accelerator and brake pedal for a certain period of time while the selector lever is in the D position, AAS mode could activate. When this occurs, AAS mode will maintain the transaxle in the optimum gear and the driver may sense that the transaxle is not shifting, however this does not indicate an abnormality.

▼Shift-Lock System

The shift-lock system prevents shifting out of P unless the brake pedal is depressed.

To shift from P:

1. Depress and hold the brake pedal.
2. Start the engine.
3. Move the shift lever.

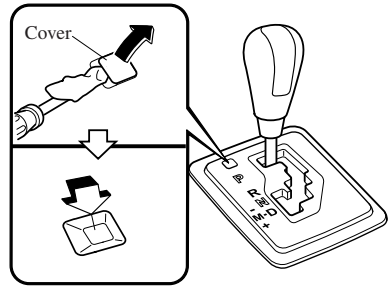
NOTE

- *When the ignition is switched off, the shift lever cannot be shifted from P.*
- *To be sure the vehicle is in park,* ***the ignition key cannot be removed unless the shift lever is in P.***
- ***(With Advanced Key)***
  The ignition cannot be switched from ACC to OFF when the shift lever is not in P.

▼Shift-Lock Override

If the shift lever will not move from P using the proper shift procedure, continue to hold down the pedal.

1. Remove the shift-lock override cover using a cloth-wrapped flat head screwdriver.
2. Insert a screwdriver and push it down.



3. Move the shift lever.
4. Take the vehicle to an Authorized Mazda Dealer to have the system checked.

Information Provided by: DEALER E-PROCESS

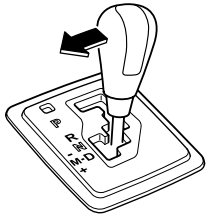
▼Manual Shift Mode

This mode gives you the feel of driving a manual transaxle vehicle by operating the shift lever and allows you to control engine rpm and torque to the front wheels much like a manual transaxle when more control is desired.

To change to manual shift mode, shift the lever from D to M.

NOTE

Changing to manual shift mode while driving will not damage the transaxle.



To return to automatic shift mode, shift the lever from M to D.

NOTE

- *If you change to manual shift mode when the vehicle is stopped, the gear will shift to M1.*
- *If you change to manual shift mode without depressing the accelerator pedal when driving in D range, 5th gear, the gear will shift to M4.*
- ***(3.7-liter engine model)***
  If you change to manual shift mode without depressing the accelerator pedal when driving in D range, 6th gear, the gear will shift to M5.

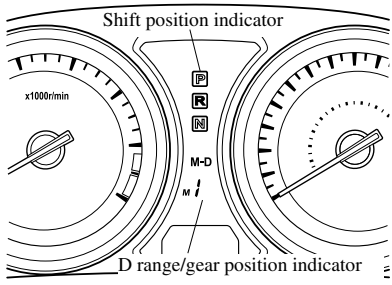
Indicators

Shift position indicator

In manual shift mode, the “M” of the shift position indicator in the instrument panel illuminates.

Gear position indicator

The numeral for the selected gear illuminates.



NOTE

- *If the gears cannot be shifted down when driving at higher speeds, the gear position indicator will flash twice to signal that the gears cannot be shifted down (to protect the transaxle).*
- ***(2.5-liter engine model)***
  If the automatic transaxle fluid (ATF) temperature becomes too high, there is the possibility that the transaxle will switch to automatic shift mode, canceling manual shift mode and turning off the gear position indicator illumination. This is a normal function to protect the AT. After the ATF temperature has decreased, the gear position indicator illumination turns back on and driving in manual shift mode is restored.

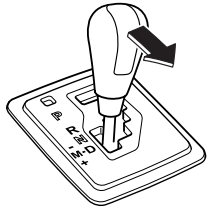
Information Provided by: DEALER E-PROCESS

Shifting

Manually Shifting up

(M1 → M2 → M3 → M4 → M5 → M6*)

To shift up to a higher gear, tap the shift lever back (+) once.



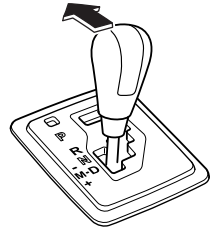
NOTE

- *When driving slowly, the gears may not shift up.*
- *In manual shift mode, gears do not shift up automatically. Do not run the engine with the tachometer needle in the RED ZONE. If the tachometer needle enters the RED ZONE, you may feel engine-braking because the fuel delivery will be stopped to protect the engine. However, this does not indicate an abnormality.*
- *When depressing the accelerator fully, the transaxle will shift to a lower gear, depending on vehicle speed.*

Manually Shifting down

(M6* → M5 → M4 → M3 → M2 → M1)

To shift down to a lower gear, tap the shift lever forward (−) once.



⚠ WARNING

Do not use engine braking on slippery road surfaces or at high speeds:

Shifting down while driving on wet, snowy, or frozen roads, or while driving at high speeds causes sudden engine braking, which is dangerous. The sudden change in tire speed could cause the tires to skid. This could lead to loss of vehicle control and an accident.

NOTE

- *When driving at high speeds, the gear may not shift down.*
- *During deceleration, the gear may automatically shift down depending on vehicle speed.*
- *When depressing the accelerator fully, the transaxle will shift to a lower gear, depending on vehicle speed.*

*Some models.

Information Provided by: DEALER E-PROCESS

Second gear fixed mode

When the shift lever is tapped back (+) while the vehicle is stopped or driven at the following speeds, the transaxle is set in the second gear fixed mode.
5-speed transaxle model:
12 km/h (7.5 mph) or less
6-speed transaxle model:
15 km/h (9 mph) or less

The gear is fixed in second while in this mode for easier starting and driving on slippery roads. If the shift lever is tapped back (+) or forward (−) while in the second gear fixed mode, the mode will be canceled.

Shifting specification

Shifting up

If the vehicle speed is lower than the speed specified for each gear, the gear cannot be shifted up to a higher gear.

Gear	Vehicle speed	
	2.5-liter engine model	3.7-liter engine model
M1 → M2	You can shift up to M2 whether the vehicle is stopped or moving.	
M2 → M3	20.9 km/h (13.0 mph)	15.6 km/h (9.70 mph)
M3 → M4	35.8 km/h (22.3 mph)	32.0 km/h (19.9 mph)
M4 → M5		43.8 km/h (27.3 mph)
M5 → M6	—	56.6 km/h (35.2 mph)

Shifting down

If the vehicle speed is higher than the speed specified for each gear, the gear cannot be shifted to a lower gear so as to protect the transaxle.

Gear	Vehicle speed	
	2.5-liter engine model	3.7-liter engine model
M6 → M5	—	230 km/h (142 mph)
M5 → M4	210 km/h (130 mph)	194.9 km/h (121.1 mph)
M4 → M3	143 km/h (88.8 mph)	135.2 km/h (84.0 mph)
M3 → M2	89.9 km/h (55.8 mph)	85.3 km/h (53.0 mph)
M2 → M1	47.5 km/h (29.5 mph)	42.3 km/h (26.2 mph)

NOTE
Regarding the vehicle speed at the highest gear indicated above, achieving this speed may not actually be possible depending on various driving conditions such as the wind, upslope, and road surface.

During deceleration, the gears shift down automatically when speed is reduced to the following:

Gear	Vehicle speed	
	2.5-liter engine model	3.7-liter engine model
M6 → M5	—	53.5 km/h (33.2 mph)
M5 → M4	32.6 km/h (20.2 mph)	40.7 km/h (25.2 mph)
M4 → M3		28.9 km/h (17.9 mph)
M3 or M2 → M1	10 km/h (6 mph)	7.5 km/h (4.6 mph)

NOTE
The gear does not shift down to M1 automatically while in the second gear fixed mode.

Form No.8CD1-EA-11C
Information Provided by: DEALER E-PROCESS

If the vehicle is kicked down at the following speeds or lower, the gears shift down automatically:

Gear	Vehicle speed	
	2.5-liter engine model	3.7-liter engine model
M6 → M5	—	230 km/h (142 mph)
M5 → M4	199 km/h (123 mph)	172.7 km/h (107.3 mph)
M4 → M3	133 km/h (82.6 mph)	74.9 km/h (46.5 mph)
M3 → M2	79.7 km/h (49.5 mph)	48.9 km/h (30.3 mph)

Recommendations for shifting

Upshifting

For normal acceleration and cruising, we recommend these shift points.

Gear	Vehicle speed	
	2.5-liter engine model	3.7-liter engine model
M1 to M2	24 km/h (15 mph)	24 km/h (15 mph)
M2 to M3	40 km/h (25 mph)	40 km/h (25 mph)
M3 to M4	65 km/h (40 mph)	65 km/h (40 mph)
M4 to M5	73 km/h (45 mph)	73 km/h (45 mph)
M5 to M6	—	80 km/h (50 mph)

Downshifting

When you must slow down in heavy traffic or on a steep **upgrade**, downshift before the engine starts to overwork. This gives better acceleration when you need more speed.

On a steep **downgrade**, downshifting helps maintain safe speed and prolongs brake life.

▼Driving Tips

⚠ WARNING

Do not allow the vehicle to move in reverse on an up-slope while the selector lever is in a forward gear position, or move forward on a down-slope while the selector lever is in the reverse position.

Otherwise, the engine will stop, causing the loss of the power brake and power steering functions, and make it difficult to control the vehicle which could result in an accident.

Passing

For extra power when passing another vehicle or climbing steep grades, depress the accelerator fully. The transaxle will shift to a lower gear, depending on vehicle speed.

Climbing steep grades from a stop

To climb a steep grade from a stopped position:

1. Depress the brake pedal.
2. Shift to D or M1, depending on the load weight and grade steepness.
3. Release the brake pedal while gradually accelerating.

Descending steep grades

When descending a steep grade, shift to lower gears, depending on load weight and grade steepness. Descend slowly, using the brakes only occasionally to prevent them from overheating.

Information Provided by: DEALER E-PROCESS

Power Steering

Power steering is only operable when the engine is running. If the engine is off or if the power steering system is inoperable, you can still steer, but it requires more physical effort.

If the steering feels stiffer than usual during normal driving, consult an Authorized Mazda Dealer.

⚠ CAUTION

Never hold the steering wheel to the extreme left or right for more than 5 seconds with the engine running. This could damage the power steering system.

Cruise Control*

With cruise control, you can set and automatically maintain any speed of more than about 32 km/h (20 mph).

⚠ WARNING

Do not use the cruise control under the following conditions:

Using the cruise control under the following conditions is dangerous and could result in loss of vehicle control.

- *Hilly terrain*
- *Steep inclines*
- *Heavy or unsteady traffic*
- *Slippery or winding roads*
- *Similar restrictions that require inconsistent speed*

▼Cruise Main Indicator Light (Amber)/Cruise Set Indicator Light (Green)

CRUISE

The indicator light has two colors.

Cruise Main Indicator Light (Amber)

The indicator light illuminates amber when the ON switch is pressed and the cruise control system is activated.

Cruise Set Indicator Light (Green)

The indicator light illuminates green when a cruising speed has been set.

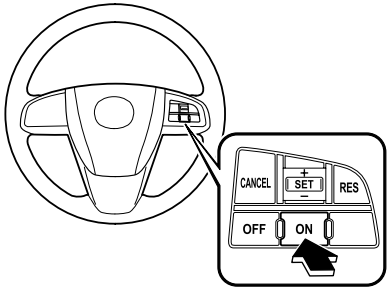
*Some models.

Information Provided by: DEALER E-PROCESS

▼Activation/Deactivation

To activate the system, press the ON switch.
The cruise main indicator light illuminates.

To deactivate the system, press the OFF switch.
The cruise main indicator light turns off.



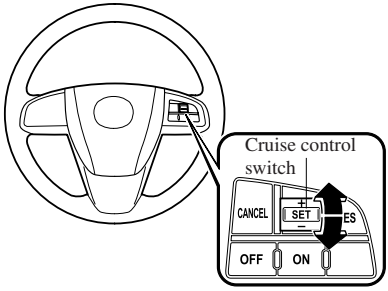
⚠ WARNING

Always turn off the cruise control system when it is not in use:

Leaving the cruise control system in an activation-ready state while the cruise control is not in use is dangerous as the cruise control could unexpectedly activate if the activation button is accidentally pressed, and result in loss of vehicle control and an accident.

▼To Set Speed

1. Activate the cruise control system by pressing the ON switch.
2. Accelerate to the desired speed, which must be more than 32 km/h (20 mph).
3. Set the cruise control by pressing the cruise control SET + /SET - switch up or down at the desired speed. The cruise control is set at the moment the cruise control SET + /SET - switch is pressed up or down. Release the accelerator pedal simultaneously.



NOTE

- *Release the cruise control switch at the desired speed, otherwise the speed will continue increasing while the switch is pressed up, and continue decreasing while it is pressed down (except when the accelerator pedal is depressed).*
- *On a steep grade, the vehicle may momentarily slow down while ascending, or speed up while descending.*
- *Cruise control will turn off if the vehicle speed decreases below about 27 km/h (17 mph) when cruise is activated, such as when climbing a steep grade.*

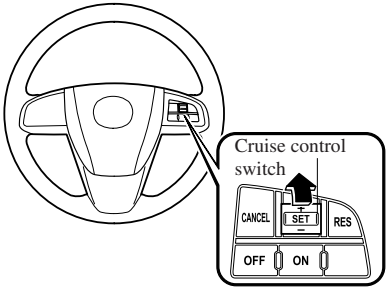
Information Provided by: DEALER E-PROCESS

▼To Increase Cruising Speed

Follow either of these procedures.

To increase speed using cruise control switch

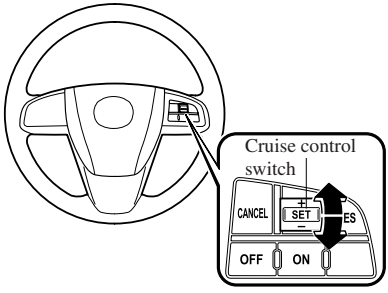
Press up the cruise control SET + switch and hold it. Your vehicle will accelerate. Release the switch at the speed you want.



Your vehicle has a tap-up feature that allows you to increase your current speed in increments of 1.6 km/h (1 mph) by a momentary tap of the cruise control SET + switch. Multiple taps will increase your vehicle speed 1.6 km/h (1 mph) for each tap.

To increase speed using accelerator pedal

Depress the accelerator pedal to accelerate to the desired speed.
Press down or press up on the cruise control SET + /SET - switch and release it immediately.

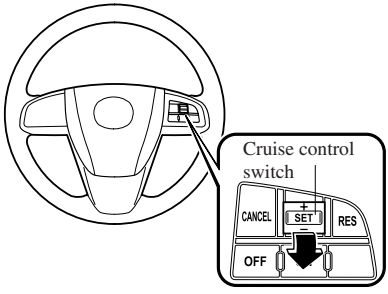


NOTE

Accelerate if you want to speed up temporarily when the cruise control is on. Greater speed will not interfere with or change the set speed. Take your foot off the accelerator to return to the set speed.

▼To Decrease Cruising Speed

Press down the cruise control SET - switch and hold it. The vehicle will gradually slow.
Release the switch at the speed you want.

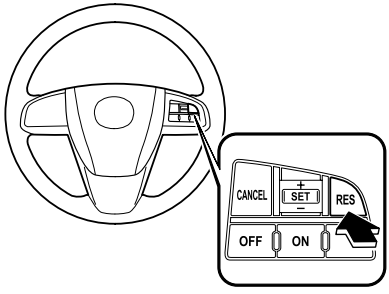


Information Provided by: DEALER E-PROCESS

Your vehicle has a tap-down feature that allows you to decrease your current speed in decrements of 1.6 km/h (1 mph) by a momentary tap of the cruise control SET - switch. Multiple taps will decrease your vehicle speed 1.6 km/h (1 mph) for each tap.

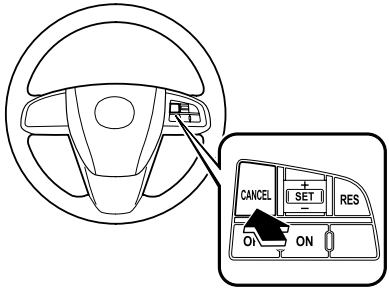
▼To Resume Cruising Speed at More Than 32 km/h (20 mph)

If some other method besides the OFF switch was used to cancel cruising speed (such as applying the brake pedal) and the system is still activated, the most recent set speed will automatically resume when the RES switch is pressed.
If vehicle speed is below 32 km/h (20 mph), increase the vehicle speed up to 32 km/h (20 mph) or more and press the RES switch.



▼To Cancel

To cancel the system, use **one** of these methods:
- Press the OFF switch.
- Slightly depress the brake pedal.
- Depress the clutch pedal (Manual transaxle only).
- Press the CANCEL switch.



The system turns off when the ignition is switched off.

NOTE
Cruise control will cancel at about 15 km/h (9 mph) below the preset speed (such as may happen when climbing a long, steep grade).

Information Provided by: DEALER E-PROCESS

Traction Control System (TCS)

The Traction Control System (TCS) enhances traction and safety by controlling engine torque and braking. When the TCS detects driving wheel slippage, it lowers engine torque and operates the brakes to prevent loss of traction.

This means that on a slick surface, the engine adjusts automatically to provide optimum power to the drive wheels, limiting wheel spin and loss of traction.

⚠ WARNING

Do not rely on the traction control system as a substitute for safe driving:

The traction control system (TCS) cannot compensate for unsafe and reckless driving, excessive speed, tailgating (following another vehicle too closely), and hydroplaning (reduced tire friction and road contact because of water on the road surface). You can still have an accident.

Use snow tires and drive at reduced speeds when roads are covered with ice and/or snow:

Driving without proper traction devices on snow and/or ice-covered roads is dangerous. The traction control system (TCS) alone cannot provide adequate traction and you could still have an accident.

NOTE

To turn off the TCS, press the DSC OFF switch (page 5-26).

▼TCS/DSC Indicator Light

This indicator light stays on for a few seconds when the ignition is switched ON. If the TCS or DSC is operating, the indicator light flashes.

If the light stays on, the TCS, DSC or the brake assist system may have a malfunction and they may not operate correctly. Take your vehicle to an Authorized Mazda Dealer.

NOTE

- *In addition to the indicator light flashing, a slight lugging sound will come from the engine. This indicates that the TCS is operating properly.*
- *On slippery surfaces, such as fresh snow, it will be impossible to achieve high rpm when the TCS is on.*

Information Provided by: DEALER E-PROCESS

Dynamic Stability Control (DSC)

The Dynamic Stability Control (DSC) automatically controls braking and engine torque in conjunction with systems such as ABS and TCS to help control side slip when driving on slippery surfaces, or during sudden or evasive maneuvering, enhancing vehicle safety.

Refer to ABS (page 5-8) and TCS (page 5-24).

DSC operation is possible at speeds greater than 15 km/h (9 mph).

⚠ WARNING

Do not rely on the dynamic stability control as a substitute for safe driving:

The dynamic stability control (DSC) cannot compensate for unsafe and reckless driving, excessive speed, tailgating (following another vehicle too closely), and hydroplaning (reduced tire friction and road contact because of water on the road surface). You can still have an accident.

⚠ CAUTION

- *The DSC may not operate correctly unless the following are observed:*
  - *Use tires of the correct size specified for your Mazda on all four wheels.*
  - *Use tires of the same manufacturer, brand and tread pattern on all four wheels.*
  - *Do not mix worn tires.*
- *The DSC may not operate correctly when a temporary spare tire is installed because the tire diameter changes.*

▼TCS/DSC Indicator Light

This indicator light stays on for a few seconds when the ignition is switched ON. If the TCS or DSC is operating, the indicator light flashes.

If the light stays on, the TCS, DSC or the brake assist system may have a malfunction and they may not operate correctly. Take your vehicle to an Authorized Mazda Dealer.

Information Provided by: DEALER E-PROCESS

▼DSC OFF Indicator Light

This indicator light stays on for a few seconds when the ignition is switched ON.
It also illuminates when the DSC OFF switch is pressed and TCS/DSC is switched off (page 5-26).

If the light stays on when the TCS/DSC is not switched off, take your vehicle to an Authorized Mazda Dealer. The dynamic stability control may have a malfunction.

NOTE

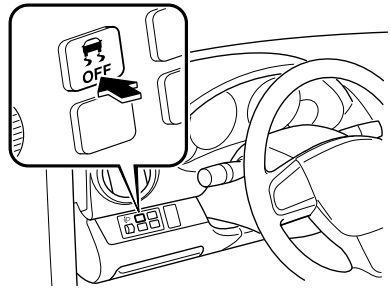
If the battery is disconnected or a fuse is replaced, the DSC will be inoperable. In this case, the DSC OFF indicator light flashes and the TCS/DSC indicator light illuminates.
To make the DSC operable, do the following procedure with the battery connected.

1. *Switch the ignition ON.*
2. *Turn the steering clockwise fully, then turn it counterclockwise fully.*
3. *Make sure the DSC OFF indicator and the TCS/DSC indicator turn off.*

If the TCS/DSC indicator light and the DSC OFF indicator light remain illuminated even after switching the ignition from ON to OFF, and back to ON, attempt the procedure again. If this still does not resolve the issue, consult an Authorized Mazda Dealer.

▼DSC OFF Switch

Press the DSC OFF switch to turn off the TCS/DSC. The DSC OFF indicator light will illuminate.



Press the switch again to turn the TCS/DSC back on. The DSC OFF indicator light will go out.

NOTE

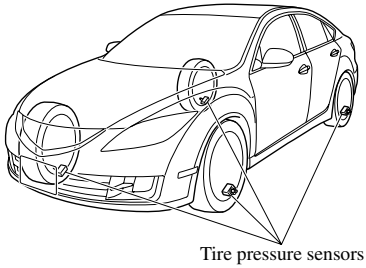
- *When DSC is on and you attempt to free the vehicle when it is stuck, or drive it out of freshly fallen snow, the TCS (part of the DSC system) will activate. Depressing the accelerator will not increase engine power and freeing the vehicle may be difficult. When this happens, turn off the TCS/DSC.*
- *If the TCS/DSC is off when the engine is turned off, it automatically activates when the ignition is switched ON.*
- *Leaving the TCS/DSC on will provide the best stability.*

Information Provided by: DEALER E-PROCESS

Tire Pressure Monitoring System

The tire pressure monitoring system (TPMS) monitors the pressure for each tire.
If tire pressure is too low in one or more tires, the system will inform the driver via the warning light in the instrument panel and by the warning beep sound.

The tire pressure sensors installed on each wheel send tire pressure data by radio signal to the receiver unit in the vehicle.



Tire pressure sensors

NOTE

When the ambient temperature is low due to seasonal changes, tire temperatures are also lower. When the tire temperature decreases, the air pressure decreases as well. The TPMS warning light may illuminate more frequently. Visually inspect the tires daily before driving, and check tire pressures monthly with a tire pressure gauge. When checking tire pressures, use of a digital tire pressure gauge is recommended.

TPMS does not alleviate your need to check the pressure and condition of all four tires regularly.

Information Provided by: DEALER E-PROCESS

⚠ CAUTION

- *Each tire, including the spare (if provided), should be checked monthly when cold and inflated to the inflation pressure recommended by the vehicle manufacturer on the vehicle placard or tire inflation pressure label. (If your vehicle has tires of a different size than the size indicated on the vehicle placard or tire inflation pressure label, you should determine the proper tire inflation pressure for those tires.)*
  As an added safety feature, your vehicle has been equipped with a tire pressure monitoring system (TPMS) that illuminates a low tire pressure telltale when one or more of your tires is significantly under-inflated. Accordingly, when the low tire pressure telltale illuminates, you should stop and check your tires as soon as possible, and inflate them to the proper pressure. Driving on a significantly under-inflated tire causes the tire to overheat and can lead to tire failure. Under-inflation also reduces fuel efficiency and tire tread life, and may affect the vehicle's handling and stopping ability.
  Please note that the TPMS is not a substitute for proper tire maintenance, and it is the driver's responsibility to maintain correct tire pressure, even if under-inflation has not reached the level to trigger illumination of the TPMS low tire pressure telltale.
- *Your vehicle has also been equipped with a TPMS malfunction indicator to indicate when the system is not operating properly.*
  The TPMS malfunction indicator is combined with the low tire pressure telltale. When the system detects a malfunction, the telltale will flash for approximately one minute and then remain continuously illuminated. This sequence will continue upon subsequent vehicle start-ups as long as the malfunction exists. When the malfunction indicator is illuminated, the system may not be able to detect or signal low tire pressure as intended. TPMS malfunctions may occur for a variety of reasons, including the installation of replacement or alternate tires or wheels on the vehicle that prevent the TPMS from functioning properly. Always check the TPMS malfunction telltale after replacing one or more tires or wheels on your vehicle to ensure that the replacement or alternate tires and wheels allow the TPMS to continue to function properly.
- *To avoid false readings, the system samples for a little while before indicating a problem. As a result it will not instantaneously register a rapid tire deflation or blow out.*

NOTE

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Information Provided by: DEALER E-PROCESS

▼Tire Pressure Monitoring System Warning Light

This warning light illuminates for a few seconds when the ignition is switched ON.

Thereafter, the warning light illuminates and a beep is heard when tire pressure is too low in one or more tires, and flashes when there is a system malfunction.

⚠ WARNING

If the tire pressure monitoring system warning light illuminates or flashes, or the tire pressure warning beep sound is heard, decrease vehicle speed immediately and avoid sudden maneuvering and braking:

If the tire pressure monitoring system warning light illuminates or flashes, or the tire pressure warning beep sound is heard, it is dangerous to drive the vehicle at high speeds, or perform sudden maneuvering or braking. Vehicle drivability could worsen and result in an accident. To determine if you have a slow leak or a flat, pull over to a safe position where you can check the visual condition of the tire and determine if you have enough air to proceed to a place where air may be added and the system monitored again by an Authorized Mazda Dealer or a tire repair station.

Do not ignore the TPMS Warning Light:

Ignoring the TPMS warning light is dangerous, even if you know why it is illuminated. Have the problem taken care of as soon as possible before it develops into a more serious situation that could lead to tire failure and a dangerous accident.

Warning light illuminates/Warning beep sounds

When the warning light illuminates, and the warning beep sound is heard (about 3 seconds), tire pressure is too low in one or more tires.

Information Provided by: DEALER E-PROCESS

Adjust the tire pressure to the correct tire pressure. Refer to the specification charts (page 10-7).

⚠ CAUTION

When replacing/repairing the tires or wheels or both, have the work done by an Authorized Mazda Dealer, or the tire pressure sensors may be damaged.

NOTE

- *Perform tire pressure adjustment when the tires are cold. Tire pressure will vary according to the tire temperature, therefore let the vehicle stand for 1 hour or only drive it 1.6 km (1 mile) or less before adjusting the tire pressures. When pressure is adjusted on hot tires to the cold inflation pressure, the TPMS warning light/beep may turn on after the tires cool and pressure drops below specification.*
  Also, an illuminated TPMS warning light, resulting from the tire air pressure dropping due to cold ambient temperature, may turn off if the ambient temperature rises. In this case, it will also be necessary to adjust the tire air pressures. If the TPMS warning light illuminates due to a drop in tire air pressure, make sure to check and adjust the tire air pressures.
- *After adjusting the tire air pressures, it may require some time for the TPMS warning light to turn off. If the TPMS warning light remains illuminated, drive the vehicle at a speed of at least 25 km/h (16 mph) for 10 minutes, and then verify that it turns off.*
- *Tires lose air naturally over time and the TPMS cannot tell if the tires are getting too soft over time or you have a flat. However, when you find one low tire in a set of four- that is an indication of trouble; you should have someone drive the vehicle slowly forward so you can inspect any low tire for cuts and any metal objects sticking through tread or sidewall. Put a few drops of water in the valve stem to see if it bubbles indicating a bad valve. Leaks need to be addressed by more than simply refilling the trouble tire as leaks are dangerous - take it to an Authorized Mazda Dealer which has all the equipment to fix tires, TPMS systems and order the best replacement tire for your vehicle.*

Information Provided by: DEALER E-PROCESS

If the warning light illuminates again even after the tire pressures are adjusted, there may be a tire puncture. Replace the punctured tire with the temporary spare tire (page 7-6).

NOTE

A tire pressure sensor is not installed to the temporary spare tire. The warning light will flash continuously while the temporary spare tire is being used.

Warning light flashes

When the warning light flashes, there may be a system malfunction. Consult an Authorized Mazda Dealer.

▼System Error Activation

When the warning light flashes, there may be a system malfunction. Consult an Authorized Mazda Dealer.
A system error activation may occur in the following cases:

- When there is equipment or a device near the vehicle using the same radio frequency as that of the tire pressure sensors.
- When using the following devices in the vehicle that may cause radio interference with the receiver unit.
  - A digital device such as a personal computer.
  - A current converter device such as a DC-AC converter.
- When excess snow or ice adheres to the vehicle, especially around the wheels.
- When the tire pressure sensor batteries are exhausted.
- When using a wheel with no tire pressure sensor installed.
- When using tires with steel wire reinforcement in the side walls.

▼Tires and Wheels

⚠CAUTION

When inspecting or adjusting the tire air pressures, do not apply excessive force to the stem part of the wheel unit. The stem part could be damaged.

Changing tires and wheels

The following procedure allows the TPMS to recognize a tire pressure sensor's unique ID signal code whenever tires or wheels are changed, such as changing to and from winter tires.

NOTE

Each tire pressure sensor has a unique ID signal code. The signal code must be registered with the TPMS before it can work. The easiest way to do it is to have an Authorized Mazda Dealer change your tire and complete ID signal code registration.

When having tires changed at an Authorized Mazda Dealer

When an Authorized Mazda Dealer changes your vehicle's tires, they will complete the tire pressure sensor ID signal code registration.

When changing tires yourself

If you or someone else changes tires, you or someone else can also undertake the steps for the TPMS to complete the ID signal code registration.

1. After tires have been changed, switch the ignition ON, then back to ACC or OFF.
2. Wait for about 15 minutes.

Information Provided by: DEALER E-PROCESS

3. After about 15 minutes, drive the vehicle at a speed of at least 25 km/h (16 mph) for 10 minutes and the tire pressure sensor ID signal code will be registered automatically.

NOTE

If the vehicle is driven within about 15 minutes of changing tires, the tire pressure monitoring system warning light will flash because the sensor ID signal code would not have been registered. If this happens, park the vehicle for about 15 minutes, after which the sensor ID signal code will register upon driving the vehicle for 10 minutes.

Replacing tires and wheels

⚠ CAUTION

- *When replacing/repairing the tires or wheels or both, have the work done by an Authorized Mazda Dealer, or the tire pressure sensors may be damaged.*
- *The wheels equipped on your Mazda are specially designed for installation of the tire pressure sensors. Do not use non-genuine wheels, otherwise it may not be possible to install the tire pressure sensors.*

Be sure to have the tire pressure sensors installed whenever tires or wheels are replaced.
When having a tire or wheel or both replaced, the following types of tire pressure sensor installations are possible.

- The tire pressure sensor is removed from the old wheel and installed to the new one.
- The same tire pressure sensor is used with the same wheel. Only the tire is replaced.
- A new tire pressure sensor is installed to a new wheel.

NOTE

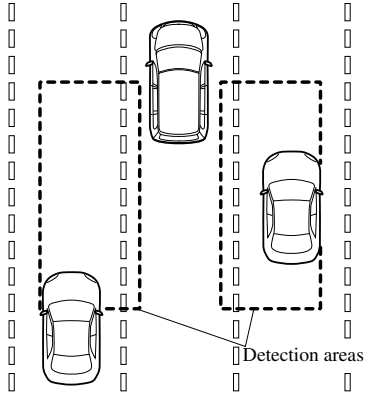
- *The tire pressure sensor ID signal code must be registered when a new tire pressure sensor is purchased. For purchase of a tire pressure sensor and registration of the tire pressure sensor ID signal code, consult an Authorized Mazda Dealer.*
- *When reinstalling a previously removed tire pressure sensor to a wheel, replace the grommet (seal between valve body/sensor and wheel) for the tire pressure sensor.*

Information Provided by: DEALER E-PROCESS

Blind Spot Monitoring (BSM) System*

The Blind Spot Monitoring (BSM) system is designed to assist the driver by monitoring blind spots on both sides of the vehicle to the rear in certain situations such as when changing lanes on roads and freeways.

The BSM system monitors the detection areas on both sides of the vehicle to the rear when the vehicle speed is about 32 km/h (20 mph) or more, and notifies the driver of vehicles in the detection area by illuminating the BSM warning light.
If the turn signal lever is operated in the direction the BSM warning light is illuminated, the system warns the driver of the vehicle in the detection area with a beep sound.



⚠ WARNING

Do not rely completely on the BSM system and be sure to look over your shoulder before changing lanes:

The BSM system can assist the driver in confirming the safety of the surroundings but is not a complete substitute. The driver is responsible for assuring lane changes and other maneuvers. Always pay attention to the direction in which the vehicle is traveling and the vehicle's surroundings.

NOTE

- *The BSM system does not operate when the vehicle speed is lower than about 32 km/h (20 mph).*
- *The radar sensors are equipped inside the rear bumper. (page 5-36)*
- *The radar sensors do not detect human, animal, or static objects such as fences. In addition, the system pauses when the selector lever is shifted to the R position. (The system resumes automatically when the selector lever is shifted from the R position.)*

Information Provided by: DEALER E-PROCESS

- *The detectability of the radar sensors has its limitations. The BSM system may not operate properly under the following conditions:*
  - *Ice, snow, or soil adheres to the rear bumper surface around the radar sensors.*
  - *During adverse weather conditions such as rain or snow, or under conditions where water is sprayed.*
  - *The rear bumper area around the radar sensors is blocked by foreign material (such as stickers or a bicycle carrier).*
- *The radar sensors may not detect all types of vehicles around your vehicle, especially the following types of vehicles:*
  - *Motorcycles*
  - *Vehicles with body shapes that radar may not reflect such as a flatbed trailer with no cargo.*
  - *Vehicles with lower body height such as sports cars.*
- *Have the radar sensors inspected at an Authorized Mazda Dealer if any shock is applied to the rear bumper, even in a minor accident. If the vehicle is driven with a damaged radar sensor, the system may not operate properly resulting in an accident.*
- *For repairs or paintwork around the radar sensors, or replacement of the bumper, consult an Authorized Mazda Dealer.*
- *The radar sensors of the BSM system may be regulated under the radio wave related laws of the country where the vehicle is driven. The sensors in this system are approved for use in the U.S.A. (including territories), Canada, and Mexico. If a vehicle with a BSM system is driven in a country other than the U.S.A., Canada, or Mexico, the system has to be turned off using the BSM OFF switch.*
- *The detection area of the system has been determined based on the lane width of general freeways. Therefore on a road with a narrower lane width, the system may detect vehicles on a lane next to the adjacent lane and operate the warning light/beep. On a road with wider lane width, the system may not detect vehicles on the adjacent lane and may not operate the warning light/beep.*
- *Operation of the warning light/beep may be delayed or the system may not operate the warning light/beep under the following conditions:*
  - *The vehicle accelerates from a standing-start with a vehicle alongside.*
  - *A vehicle moves from a lane two lanes over to the adjacent lane.*
  - *The difference in vehicle speed between your vehicle and another vehicle is larger when passing or being passed, and the vehicle passes the detection area within a short period of time.*
  - *On a steep incline, or when there is a difference in height between lanes.*
  - *Immediately after the system has been activated by pressing the BSM OFF switch again after it has been turned off (BSM OFF indicator light in instrument panel illuminates) by pressing the switch.*
- *Although the system may detect objects on the road side such as parked vehicles or guardrails and operate the warning light/beep, it does not indicate a malfunction.*
- *If the vehicle is driven on a road with less traffic and few vehicles that the radar sensors can detect, the system may pause (The BSM OFF indicator light in the instrument panel flashes). However, it does not indicate a malfunction.*

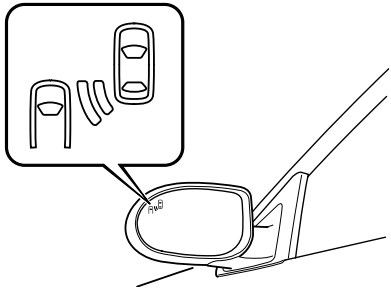
Information Provided by: DEALER E-PROCESS

- *The following conditions may affect the visibility of the BSM warning lights on the outside mirror, making it difficult to confirm the illumination of the lights:*
  - *Ice or snow adheres to the surface of the outside mirrors.*
  - *The door window glass is tinted.*

▼BSM Warning Light/Beep

BSM warning light

Equipped on the left and right door mirrors.



This warning light illuminates for a few seconds when the ignition is switched ON.
If the BSM system detects a vehicle in the detection area while the vehicle is driven at a speed of about 32 km/h (20 mph) or more, the BSM warning light illuminates on the side of the vehicle where the rear on-coming vehicle is detected.

NOTE

- *If ice or snow adhere to the outer mirror surface, the BSM warning light may not be visible.*
- *If the door window glass is tinted, it may affect the visibility of the BSM warning light, making it difficult to confirm the illumination of the light.*

BSM warning beep

The warning beep operates when the turn signal lever is operated to the side where the BSM warning light is illuminated.

NOTE

The system can be personalized so that the BSM warning beep does not operate. Refer to Personalization Features on page 10-9.

▼BSM OFF Indicator Light

This indicator light illuminates for a few seconds when the ignition is switched ON.

The BSM OFF indicator light illuminates when the BSM system is turned off by pressing the BSM OFF switch.
The indicator light flashes if the BSM system has a malfunction. Consult an Authorized Mazda Dealer.

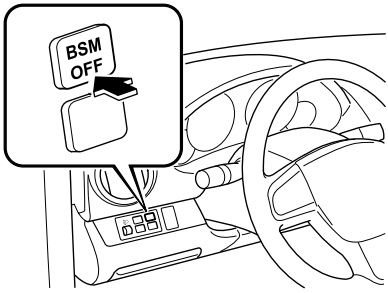
NOTE

If the vehicle is driven on a road with less traffic and few vehicles that the radar sensors can detect, the system may pause (The BSM OFF indicator light in the instrument panel flashes). However, it does not indicate a malfunction.

Information Provided by: DEALER E-PROCESS

▼BSM OFF Switch

When the BSM switch is pressed, the BSM system turns off and the BSM OFF indicator light illuminates.



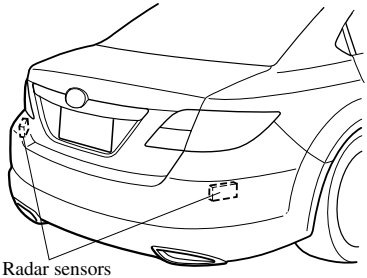
Press the BSM OFF switch again to turn on the BSM system. The BSM OFF indicator light turns off.

NOTE

If the ignition is switched off with the BSM system turned off, the system becomes operable automatically when the ignition is switched ON.

▼Care of Radar Sensors

The radar sensors are equipped inside the rear bumper.



Radar sensors

Always keep the bumper surface near the radar sensor area clean so that the BSM system operates normally. Refer to the Exterior Care (page 8-55).

NOTE

- *The BSM OFF indicator light flashes if the radar sensors cannot operate normally. If the light remains flashing after cleaning the bumper surface near the radar sensor area, consult an Authorized Mazda Dealer.*
- *For repairs or paintwork around the radar sensors, or replacement of the bumper, consult an Authorized Mazda Dealer.*

▼Safety Certification

Radiation Hazard

This BSM (blind spot monitoring) device emits intentional electromagnetic radiation in the 24 GHz to 25 GHz frequency range. The total radiated average power over the entire bandwidth is below –14 dBm (40 μW). The active emitting antenna surface is 72 cm^2; therefore the radiated power density in front of the BSM device is 0.55 $\mu W/cm^2$. This value is far below the legal human exposure protection limit of 1 mW/cm^2 (MPE) in Europe and US.

Declaration of compliance for 24 GHz blind spot radar

(U.S.A)

FCC ID: OAYBSDTX

This vehicle is equipped with a 24 GHz blind spot monitoring (BSM) radar system, which complies with part 15 of the FCC rules. Operation is subject to the following conditions:

1. This device may not cause harmful interference, and

Information Provided by: DEALER E-PROCESS

2. This device must accept any interference received, including interference that may cause undesired operation.
3. This device may only work when the vehicle is in operation pursuant to § 15. 252 (a) (4).

(CANADA)

IC:4135A-BSDTX
This vehicle is equipped with a 24 GHz blind spot monitoring (BSM) radar system, which complies with the radio standards specification RSS-220 of Industry Canada. Operation is subject to the following conditions:

1. This device may not cause harmful interference, and
2. This device must accept any interference received, including interference that may cause undesired operation.

(MEXICO)

RLVCOBS10-0567

NOTE
During printing time of this user manual the approvals listed below are granted. Further countries may become available or actual certification identifiers may be subject to change or update.

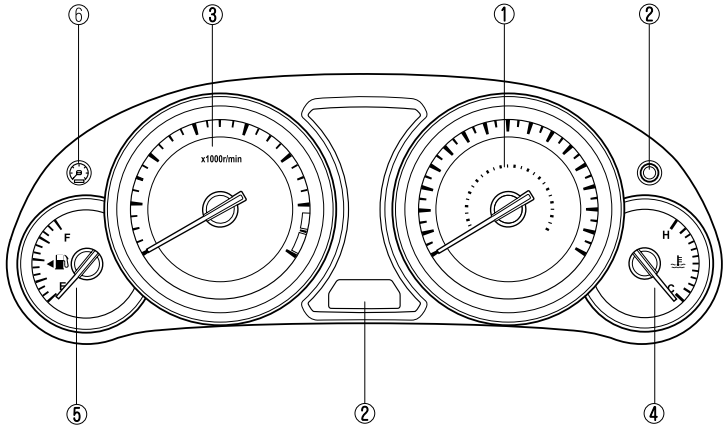
⚠ WARNING

Changes or modifications not expressively approved by the party responsible for compliance could void the user's authority to operate the equipment.

Information Provided by: DEALER E-PROCESS

Instrument Cluster and Indicators

Meters and Gauges



① Speedometer ..... page 5-39
② Odometer, Trip Meter, Outside Temperature Display and Selector ..... page 5-39
③ Tachometer ..... page 5-41
④ Engine Coolant Temperature Gauge ..... page 5-42
⑤ Fuel Gauge ..... page 5-42
⑥ Dashboard Illumination ..... page 5-43

NOTE

(Black-out meter)

When the ignition is switched ON, the dashboard gauges illuminate.

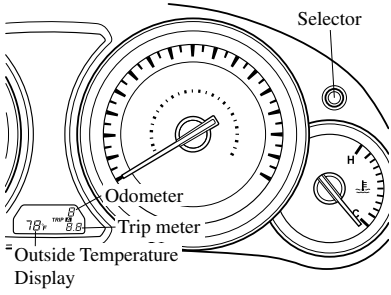
Information Provided by: DEALER E-PROCESS

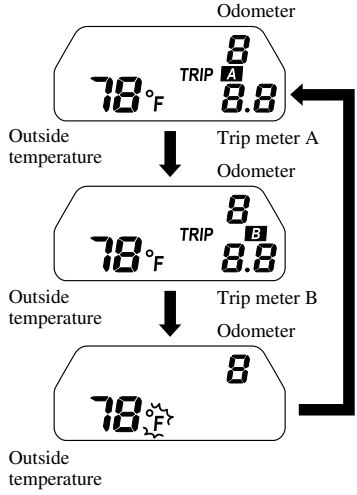
▼Speedometer

The speedometer indicates the speed of the vehicle.

▼Odometer, Trip Meter, Outside Temperature Display and Selector

The display mode changes from trip meter A to trip meter B, and to the temperature unit change function display each time the selector is pressed while one of the modes is displayed. The selected mode will be displayed.





Information Provided by: DEALER E-PROCESS

NOTE

- ***(Standard meter)***
  The odometer and trip meter can be displayed and the selector can be operated as follows even when the ignition is switched to ACC or the ignition is switched off. The trip meter can be switched/reset by pressing the selector.
  The headlight switch must be in the ≡DOC *or* ≡D *position to see the display.*
  - *Displays for approx. 10 minutes after the ignition is switched to ACC or OFF from ACC or ON.*
  - *Displays for approx. 10 minutes after the driver's door is opened.*
- ***(Black-out meter)***
  When the ignition is switched to ACC or the ignition is switched off, the odometer or trip meters cannot be displayed, however, pressing the selector button can inadvertently switch the trip meters or reset them during an approximate ten-minute period in the following cases:
  - *After the ignition is switched to ACC or OFF from ON.*
  - *After the driver's door is opened.*

Odometer

The odometer records the total distance the vehicle has been driven.

Trip meter

The trip meter can record the total distance of two trips. One is recorded in trip meter A, and the other is recorded in trip meter B.

For instance, trip meter A can record the distance from the point of origin, and trip meter B can record the distance from where the fuel tank is filled.

When trip meter A is selected, pressing the selector again within one second will change to trip meter B mode.

When trip meter A is selected, TRIP A will be displayed. When trip meter B is selected, TRIP B will be displayed.

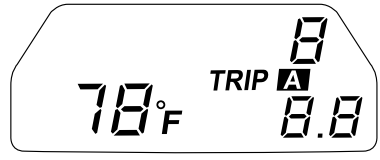
The trip meter records the total distance the vehicle is driven until the meter is again reset. Return it to “0.0” by holding the selector depressed for 1 second or more. Use this meter to measure trip distances and to compute fuel consumption.

NOTE

- *Only the trip meters record tenths of kilometers (miles).*
- *The trip record will be erased when;*
  - *The power supply is interrupted (blown fuse or the battery is disconnected).*
  - *The vehicle is driven over 999.9 km (miles).*

Outside temperature display

The outside temperature is displayed when the ignition is switched ON.

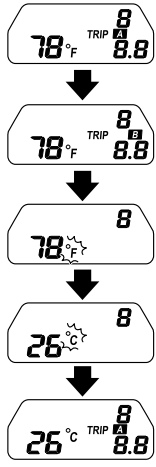


Information Provided by: DEALER E-PROCESS

Temperature unit change function

The unit (°F/°C) for the ambient temperature can be switched using the following operation.

1. Switch the ignition ON.
2. Press the selector two times. After that, the trip meter display turns off and the unit flashes. The unit can be switched by pressing the selector for approx. 1 second or more while the unit is flashing.
3. The unit illuminates and the trip meter is displayed by pressing the selector again.



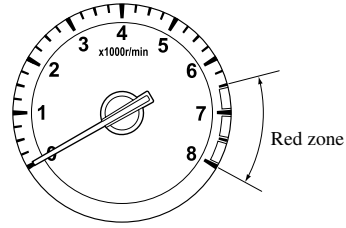
NOTE

The displayed ambient temperature varies from the actual ambient temperature depending on the surrounding conditions as well as the driving conditions.

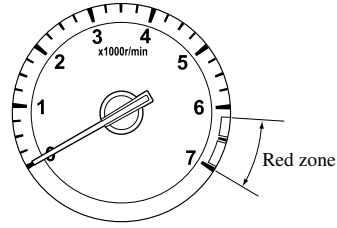
▼Tachometer

The tachometer shows engine speed in thousands of revolutions per minute (rpm).

3.7-liter engine



2.5-liter engine



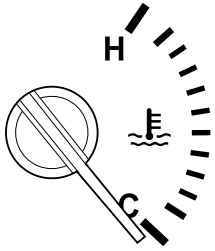
⚠CAUTION

Do not run the engine with the tachometer needle in the RED ZONE. This may cause severe engine damage.

Information Provided by: DEALER E-PROCESS

▼Engine Coolant Temperature Gauge

The engine coolant temperature gauge shows the temperature of the engine coolant.



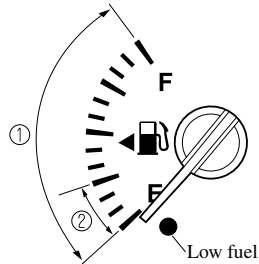
If the needle is near H, it indicates overheating.

⚠ CAUTION

Driving with an overheated engine can cause serious engine damage (page 7-13).

▼Fuel Gauge

The fuel gauge shows approximately how much fuel is remaining in the tank when the ignition is switched ON.
We recommend keeping the tank over 1/4 full. When the low fuel warning light illuminates or when the needle is near E, refuel as soon as possible.



①Full
②Approx. 1/4 Full
Low fuel warning light

NOTE

- *After refueling, it may require some time for the needle to stabilize. In addition, the needle may deviate while driving on a slope or curve since the fuel moves in the tank.*
- *The direction of the arrow (◂⛽) next to the low fuel warning light indicates that the fuel-filler lid is on the left side of the vehicle.*

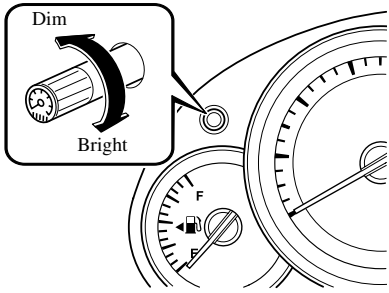
Information Provided by: DEALER E-PROCESS

▼Dashboard Illumination

Rotate the knob to adjust the brightness of the instrument cluster and other illuminations in the dashboard.

NOTE

- *The brightness of dashboard illuminations can be adjusted when the headlight switch is in the ≡D◊F or ≡D position.*
- *When the dashboard illumination brightness cannot be adjusted any more, a beep sound will be heard.*
- ***(Black-out meter)***
  The brightness of the instrument cluster illumination can be adjusted when the headlight switch is in any position.



Canceling the illumination dimmer (Black-out meter and dashboard illuminations)

When the headlight switch is in the ≡D◊F or ≡D position, the illumination of the instrument cluster and the information display dims.

When driving on snowy or foggy roads, or in other situations when the instrument cluster or information display's visibility is reduced due to glare from surrounding brightness, cancel the illumination dimmer and increase the illumination intensity.

To cancel the illumination dimmer, press the dashboard illumination knob.

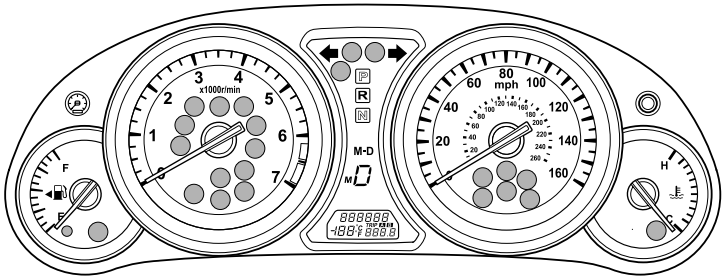
NOTE

- *This symbol ( ) indicates the knob to adjust the brightness of the dashboard illumination.*
- *If the illumination dimmer is cancelled, the instrument cluster and the information display will not dim when the headlight switch is turned to the ≡D◊F or ≡D position again. Press the dashboard illumination knob to activate the illumination dimmer.*

Information Provided by: DEALER E-PROCESS

Warning/Indicator Lights and Beep Sounds

Warning/Indicator Lights



Warning/Indicator lights will appear in any of the highlighted areas

Signal	Warning/Indicator Lights	Page
BRAKE	Brake System Warning Light	5-46
	Malfunction Warning Light	5-47
	Charging System Warning Light	5-48
	Engine Oil Pressure Warning Light	5-48
	Check Engine Light	5-49
	Powertrain Malfunction/Reduced Power Warning Light	5-49
ABS	ABS Warning Light	5-47

Information Provided by: DEALER E-PROCESS

Warning/Indicator Lights and Beep Sounds

Signal	Warning/Indicator Lights	Page
	Air Bag/Front Seat Belt Pretensioner System Warning Light	5-50
	Low Fuel Warning Light	5-50
	Check Fuel Cap Warning Light	5-50
	Seat Belt Warning Light/Beep	5-51
	Door-Ajar Warning Light	5-51
	Low Washer Fluid Level Warning Light	5-51
AT	Automatic Transaxle Warning Light	5-51
	Tire Pressure Monitoring System Warning Light	5-52
	KEY Warning Light (Red)/KEY Indicator Light (Green)	5-54
	Electronic Steering Lock Warning Light	5-55
	Security Indicator Light	5-55
	Headlight High-Beam Indicator Light	5-56
PRNDM	Shift Position Indicator Light	5-56
	TCS/DSC Indicator Light	5-56
	DSC OFF Indicator Light	5-57
CRUISE	Cruise Main Indicator Light (Amber)/Cruise Set Indicator Light (Green)	5-57

Information Provided by: DEALER E-PROCESS

Warning/Indicator Lights and Beep Sounds

Signal	Warning/Indicator Lights	Page
BSM OFF	BSM OFF Indicator Light	5-58
≡DO≡	Lights-On Indicator Light	5-58
⬅ ➡	Turn Signal/Hazard Warning Indicator Lights	5-58

▼Brake System Warning Light

This warning has the following functions:

Parking brake warning

The light illuminates when the parking brake is applied with the ignition switched to START or ON. It turns off when the parking brake is fully released.

Low brake fluid level warning

If the light stays on after the parking brake is fully released, you may have a brake problem.

Brake system warning (2.5-liter engine)*

Illuminates when there is a malfunction in the brake switch.

Drive to the side of the road and park off the right-of-way.

You may notice that the pedal is harder to depress or that it may go closer to the floor. In either case, it will take longer to stop the vehicle.

1. With the engine stopped, open the hood and check the brake fluid level immediately, and then add fluid if required (page 8-24).
2. After adding fluid, check the light again.

If the warning light remains on, or if the brakes do not operate properly, do not drive the vehicle. Have it towed to an Authorized Mazda Dealer.

Even if the light turns off, have your brake system inspected as soon as possible by an Authorized Mazda Dealer.

NOTE

Having to add brake fluid is sometimes an indicator of leakage. Consult an Authorized Mazda Dealer as soon as possible even if the brake light is no longer illuminated.

 *Some models.

Information Provided by: DEALER E-PROCESS

⚠ WARNING

Do not drive with the brake system warning light illuminated. Contact an Authorized Mazda Dealer to have the brakes inspected as soon as possible:

Driving with the brake system warning light illuminated is dangerous. It indicates that your brakes may not work at all or that they could completely fail at any time. If this light remains illuminated, after checking that the parking brake is fully released, have the brakes inspected immediately.

▼Malfunction Warning Light (2.5-liter engine)*

When the ignition is switched ON, the malfunction warning light illuminates and then turns off after a few seconds.
The light stays on if the brake switch has a malfunction. Consult an Authorized Mazda Dealer.

⚠ WARNING

Do not drive the vehicle with the malfunction warning light illuminated.

Driving the vehicle with the light illuminated is dangerous as it could result in the loss of brake power and cause an accident. In addition, loss of brake power could occur when stopping the vehicle. Have your vehicle inspected by an Authorized Mazda Dealer.

▼ABS Warning Light

The warning light stays on for a few seconds when the ignition is switched ON.

If the ABS warning light stays on while you're driving, the ABS control unit has detected a system malfunction. If this occurs, your brakes will function normally as if the vehicle had no ABS.
Should this happen, consult an Authorized Mazda Dealer as soon as possible.

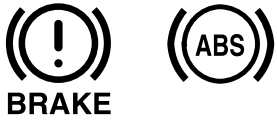
NOTE

- *When the engine is jump-started to charge the battery, uneven rpm occurs and the ABS warning light may illuminate. If this occurs, it is the result of the weak battery and does not indicate an ABS malfunction. Recharge the battery.*
- *The brake assist system does not operate while the ABS warning light is illuminated.*

Information Provided by: DEALER E-PROCESS

Warning/Indicator Lights and Beep Sounds

▼Electronic Brake Force Distribution System Warning



If the electronic brake force distribution control unit determines that some components are operating incorrectly, the control unit may illuminate the brake system warning light and the ABS warning light on simultaneously. The problem is likely to be the electronic brake force distribution system.

⚠ WARNING

Do not drive with both the ABS warning light and brake warning light illuminated. Have the vehicle towed to an Authorized Mazda Dealer to have the brakes inspected as soon as possible:

Driving when the brake system warning light and ABS warning light are illuminated simultaneously is dangerous.
When both lights are illuminated, the rear wheels could lock more quickly in an emergency stop than under normal circumstances.

▼Charging System Warning Light

This warning light illuminates when the ignition is switched ON and turns off when the engine is started.

If the warning light illuminates while driving, it indicates a malfunction of the alternator or of the charging system. Drive to the side of the road and park off the right-of-way. Consult an Authorized Mazda Dealer.

⚠ CAUTION

Do not continue driving when the charging system warning light is illuminated because the engine could stop unexpectedly.

▼Engine Oil Pressure Warning Light

This warning light illuminates when the ignition is switched ON and turns off when the engine is started.

This warning light indicates low engine oil pressure.

Information Provided by: DEALER E-PROCESS

If the light illuminates while driving:

1. Drive to the side of the road and park off the right-of-way on level ground.
2. Turn off the engine and wait 5 minutes for the oil to drain back into the oil pan.
3. Inspect the engine oil level (page 8-21). If it's low, add the appropriate amount of engine oil while being careful not to overfill.
4. Start the engine and check the warning light.

If the light remains illuminated even after you add oil, stop the engine immediately and have your vehicle towed to an Authorized Mazda Dealer.

⚠ CAUTION

Do not run the engine if the oil pressure is low. It could result in extensive engine damage.

▼Check Engine Light

This indicator light illuminates when the ignition is switched ON and turns off when the engine is started.

If this light illuminates while driving, the vehicle may have a problem. It is important to note the driving conditions when the light illuminated and consult an Authorized Mazda Dealer.

The check engine light may illuminate in the following cases:

- The fuel tank level being very low or approaching empty.
- The engine's electrical system has a problem.
- The emission control system has a problem.

If the check engine light remains on or flashes continuously, do not drive at high speeds and consult an Authorized Mazda Dealer as soon as possible.

▼Powertrain Malfunction/Reduced Power Warning Light (3.7-liter engine)

This warning light illuminates for a few seconds when the ignition is switched ON.

If this light illuminates while driving, the vehicle may have a problem. It is important to note the driving conditions when the light illuminated and consult an Authorized Mazda Dealer.

The powertrain malfunction/reduced power warning light may illuminate in the following cases:

- The engine's electrical system has a problem.
- The emission control system has a problem.
- The brake switch has a problem.

Information Provided by: DEALER E-PROCESS

Warning/Indicator Lights and Beep Sounds

If the powertrain malfunction/reduced power warning light remains on, do not drive at high speeds and consult an Authorized Mazda Dealer as soon as possible.

▼Air Bag/Front Seat Belt Pretensioner System Warning Light

If the air bag/front seat belt pretensioner system is working properly, the warning light illuminates when the ignition is switched ON or after the engine is cranked. The warning light turns off after a specified period of time.

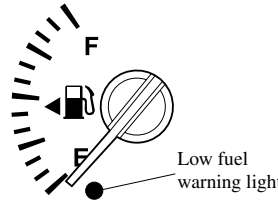
A system malfunction is indicated if the warning light constantly flashes, constantly illuminates or does not illuminate at all when the ignition is switched ON. If any of these occur, consult an Authorized Mazda Dealer as soon as possible. The system may not operate in an accident.

⚠ WARNING

Never tamper with the air bag/ pretensioner systems and always have an Authorized Mazda Dealer perform all servicing and repairs:

Self-servicing or tampering with the systems is dangerous. An air bag/ pretensioner could accidentally activate or become disabled causing serious injury or death.

▼Low Fuel Warning Light



This warning light in the fuel gauge signals that the fuel tank will soon be empty.
Refuel as soon as possible.

▼Check Fuel Cap Warning Light

This warning light illuminates for a few seconds when the ignition is switched ON.

If the check fuel cap warning light illuminates while driving, the fuel-filler cap may not be installed properly. Stop the engine and reinstall the fuel-filler cap. Refer to Fuel-Filler Cap on page 3-44.

Information Provided by: DEALER E-PROCESS

▼Seat Belt Warning Light

With warning light for front passenger's seat

The seat belt warning light illuminates if the driver or front passenger's seat belt is not fastened (only when the front passenger seat is occupied) when the ignition is switched ON.

Without warning light for front passenger's seat

The seat belt warning light illuminates if the driver's seat belt is not fastened when the ignition is switched ON.

▼Door-Ajar Warning Light

This warning light illuminates when any door or the trunk is not securely closed. Close the door or the trunk securely before driving the vehicle.

▼Low Washer Fluid Level Warning Light

This warning light indicates that little washer fluid remains. Add fluid (page 8-26).

▼Automatic Transaxle Warning Light

AT

This warning light stays on for a few seconds when the ignition is switched ON.
The light illuminates when the transaxle has a problem.

⚠CAUTION

If the automatic transaxle warning light illuminates, the transaxle has an electrical problem. Continuing to drive your Mazda in this condition could cause damage to your transaxle. Consult an Authorized Mazda Dealer as soon as possible.

Information Provided by: DEALER E-PROCESS

▼Tire Pressure Monitoring System (TPMS) Warning Light

This warning light illuminates for a few seconds when the ignition is switched ON.

Thereafter, the warning light illuminates and a beep is heard when tire pressure is too low in one or more tires, and flashes when there is a system malfunction.

⚠ WARNING

If the tire pressure monitoring system warning light illuminates or flashes, or the tire pressure warning beep sound is heard, decrease vehicle speed immediately and avoid sudden maneuvering and braking:

If the tire pressure monitoring system warning light illuminates or flashes, or the tire pressure warning beep sound is heard, it is dangerous to drive the vehicle at high speeds, or perform sudden maneuvering or braking. Vehicle drivability could worsen and result in an accident.
To determine if you have a slow leak or a flat, pull over to a safe position where you can check the visual condition of the tire and determine if you have enough air to proceed to a place where air may be added and the system monitored again by an Authorized Mazda Dealer or a tire repair station.

Do not ignore the TPMS Warning Light:

Ignoring the TPMS warning light is dangerous, even if you know why it is illuminated. Have the problem taken care of as soon as possible before it develops into a more serious situation that could lead to tire failure and a dangerous accident.

Warning light illuminates/Warning beep sounds

When the warning light illuminates, and the warning beep sound is heard (about 3 seconds), tire pressure is too low in one or more tires.

Information Provided by: DEALER E-PROCESS

Adjust the tire pressure to the correct tire pressure. Refer to the specification charts (page 10-7).

⚠ CAUTION

When replacing/repairing the tires or wheels or both, have the work done by an Authorized Mazda Dealer, or the tire pressure sensors may be damaged.

NOTE

- *Perform tire pressure adjustment when the tires are cold. Tire pressure will vary according to the tire temperature, therefore let the vehicle stand for 1 hour or only drive it 1.6 km (1 mile) or less before adjusting the tire pressures. When pressure is adjusted on hot tires to the cold inflation pressure, the TPMS warning light/beep may turn on after the tires cool and pressure drops below specification.*
  Also, an illuminated TPMS warning light, resulting from the tire air pressure dropping due to cold ambient temperature, may turn off if the ambient temperature rises. In this case, it will also be necessary to adjust the tire air pressures. If the TPMS warning light illuminates due to a drop in tire air pressure, make sure to check and adjust the tire air pressures.
- *After adjusting the tire air pressures, it may require some time for the TPMS warning light to turn off. If the TPMS warning light remains illuminated, drive the vehicle at a speed of at least 25 km/h (16 mph) for 10 minutes, and then verify that it turns off.*
- *Tires lose air naturally over time and the TPMS cannot tell if the tires are getting too soft over time or you have a flat. However, when you find one low tire in a set of four- that is an indication of trouble; you should have someone drive the vehicle slowly forward so you can inspect any low tire for cuts and any metal objects sticking through tread or sidewall. Put a few drops of water in the valve stem to see if it bubbles indicating a bad valve. Leaks need to be addressed by more than simply refilling the trouble tire as leaks are dangerous - take it to an Authorized Mazda Dealer which has all the equipment to fix tires, TPMS systems and order the best replacement tire for your vehicle.*

Information Provided by: DEALER E-PROCESS

If the warning light illuminates again even after the tire pressures are adjusted, there may be a tire puncture. Replace the punctured tire with the temporary spare tire (page 7-6).

NOTE

A tire pressure sensor is not installed to the temporary spare tire. The warning light will flash continuously while the temporary spare tire is being used.

Warning light flashes

When the warning light flashes, there may be a system malfunction. Consult an Authorized Mazda Dealer.

▼KEY Warning Light (Red)/KEY Indicator Light (Green) (with Advanced Key)

This indicator has two colors.

KEY Warning Light (Red)

When illuminated

- When the push button start is pressed ON, it illuminates momentarily and then turns off.
- If any malfunction occurs in the advanced keyless system, it illuminates continuously.

⚠ WARNING

Do not drive the vehicle with the KEY warning light illuminated:

If the KEY warning light remains illuminated, do not continue to drive using the advanced key system. Park the vehicle in a safe place and use the auxiliary key to continue driving the vehicle. Have the vehicle inspected at an Authorized Mazda Dealer as soon as possible.

When flashing

- Under the following conditions, the KEY warning light (red) flashes to inform the driver that the push button start will not switch to ACC even if it is pressed from off.
  - The advanced key battery is dead.
  - The advanced key is not within operational range.
  - The advanced key is placed in areas where it is difficult for the system to detect the signal (page 3-7).
  - A key from another manufacturer similar to the advanced key is in the operational range.

Information Provided by: DEALER E-PROCESS

- Under the following conditions, the KEY warning light (red) will flash continuously when the push button start has not been pressed off to notify the driver that the advanced key has been removed. The KEY warning light (red) will stop flashing when the advanced key is back inside the vehicle:
  - The push button start has not been pressed off, the driver's door is open, and the advanced key is removed from the vehicle.
  - The push button start has not been pressed off and all the doors are closed after removing the advanced key from the vehicle.

NOTE

Because the advanced key utilizes low-intensity radio waves, the Advanced Key Removed From Vehicle Warning may activate if the advanced key is carried together with a metal object or it is placed in a poor signal reception area.

KEY Indicator Light (Green)

When illuminated

When the brake pedal is depressed with an automatic transaxle or the clutch pedal is depressed with a manual transaxle, the system confirms that the correct advanced key is inside the vehicle, the KEY indicator light (green) illuminates, and the push button start can be pressed to ACC (page 3-10).

When flashing

When the push button start is pressed off from ON, the KEY indicator light (green) flashes for approximately 30 seconds indicating that the remaining battery power is low. Replace with a new battery before the advanced key becomes unusable.

Refer to Service on page 3-6.

NOTE

The advanced key can be set so that the KEY indicator light (green) does not flash even if the battery power is low.
Refer to Personalization Features on page 10-9.

▼Electronic Steering Lock Warning Light (with Advanced Key)

The warning light remains illuminated for a few seconds after the push button start is pressed ON.
If the advanced keyless system is damaged, the warning light may flash.
For vehicles with the steering wheel lock function, the steering wheel will not unlock even if the push button start is pressed, and the warning light will flash (page 3-10).

▼Security Indicator Light

This indicator light starts flashing every 2 seconds when the ignition is switched from ON to ACC and the immobilizer system is armed.

Information Provided by: DEALER E-PROCESS

The light stops flashing when the ignition is switched ON with the correct ignition key.
At this time, the immobilizer system is disarmed and the light illuminates for about 3 seconds and then turns off.

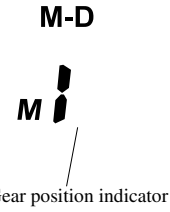
If the engine does not start with the correct ignition key, and the security indicator light keeps illuminating or flashing, the system may have a malfunction. Consult an Authorized Mazda Dealer.

▼Headlight High-Beam Indicator Light

This light indicates one of two things:
- The high-beam headlights are on.
- The turn signal lever is in the flash-to-pass position.

▼Shift Position Indicator Light (Automatic Transaxle)

This indicates the selected shift position.



In manual mode, the “M” of the shift position indicator illuminates and the numeral for the selected gear displays in the gear position indicator.

▼TCS/DSC Indicator Light

This indicator light stays on for a few seconds when the ignition is switched ON. If the TCS or DSC is operating, the indicator light flashes.

Information Provided by: DEALER E-PROCESS

If the light stays on, the TCS, DSC or the brake assist system may have a malfunction and they may not operate correctly. Take your vehicle to an Authorized Mazda Dealer.

NOTE

- *In addition to the indicator light flashing, a slight lugging sound will come from the engine. This indicates that the TCS is operating properly.*
- *On slippery surfaces, such as fresh snow, it will be impossible to achieve high rpm when the TCS is on.*

▼DSC OFF Indicator Light

This indicator light stays on for a few seconds when the ignition is switched ON.
It also illuminates when the DSC OFF switch is pressed and TCS/DSC is switched off (page 5-26).

If the light stays on when the TCS/DSC is not switched off, take your vehicle to an Authorized Mazda Dealer. The dynamic stability control may have a malfunction.

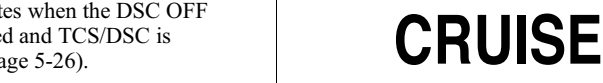
NOTE

If the battery is disconnected or a fuse is replaced, the DSC will be inoperable. In this case, the DSC OFF indicator light flashes and the TCS/DSC indicator light illuminates.
To make the DSC operable, do the following procedure with the battery connected.

1. *Switch the ignition ON.*
2. *Turn the steering clockwise fully, then turn it counterclockwise fully.*
3. *Make sure the DSC OFF indicator and the TCS/DSC indicator turns off.*

If the TCS/DSC indicator light and the DSC OFF indicator light remain illuminated even after switching the ignition from ON to OFF, and back to ON, attempt the procedure again. If this still does not resolve the issue, consult an Authorized Mazda Dealer.

▼Cruise Main Indicator Light (Amber)/Cruise Set Indicator Light (Green)*



The indicator light has two colors.

Cruise Main Indicator Light (Amber)

The indicator light illuminates amber when the ON/OFF switch is pressed up and the cruise control system is activated.

Cruise Set Indicator Light (Green)

The indicator light illuminates green when a cruising speed has been set.

Information Provided by: DEALER E-PROCESS

Warning/Indicator Lights and Beep Sounds

▼BSM OFF Indicator Light*

This indicator light illuminates for a few seconds when the ignition is switched ON.

The BSM OFF indicator light illuminates when the BSM system is turned off by pressing the BSM OFF switch.
The indicator light flashes if the BSM system has a malfunction. Consult an Authorized Mazda Dealer.

NOTE

If the vehicle is driven on a road with less traffic and few vehicles that the radar sensors can detect, the system may pause (The BSM OFF indicator light in the instrument panel flashes). However, it does not indicate a malfunction.

▼Lights-On Indicator Light (Black-out meter)

This indicator light illuminates when the exterior lights and dashboard illumination are on.

▼Turn Signal/Hazard Warning Indicator Lights

When operating the turn signal lights, the left or right turn signal indicator light flashes to indicate which turn signal light is operating (page 5-66).

When operating the hazard warning lights, both turn signal indicator lights flash (page 5-73).

NOTE

If an indicator light remains illuminated (does not flash) or if it flashes abnormally, one of the turn signal bulbs may be burned out.

 *Some models.

Information Provided by: DEALER E-PROCESS

Beep Sounds

▼Air Bag/Front Seat Belt Pretensioner System Warning Beep

If a malfunction is detected in the air bag/front seat belt pretensioner systems and the warning light, a warning beep sound will be heard for about 5 seconds every minute.

The air bag and seat belt pretensioner system warning beep sound will continue to be heard for approximately 35 minutes. Have your vehicle inspected at an Authorized Mazda Dealer as soon as possible.

⚠ WARNING

Do not drive the vehicle with the air bag/front seat belt pretensioner system warning beep sounding:

Driving the vehicle with the air bag/front seat belt pretensioner system warning beep sounding is dangerous. In a collision, the air bags and the front seat belt pretensioner system will not deploy and this could result in death or serious injury.
Contact an Authorized Mazda Dealer to have the vehicle inspected as soon as possible.

▼Seat Belt Warning Beep

If the driver's seat belt is not fastened when the ignition is switched ON, a beep sound will be heard for about 6 seconds.
With warning light for front passenger's seat
If the driver or the front passenger's seat belt is not fastened and the vehicle is driven at a speed faster than about 20 km/h (12 mph), a beep sound will be heard again for a specified period of time.
Refer to Seat Belt Reminder on page 2-25.
Without warning light for front passenger's seat
If the driver's seat belt is not fastened and the vehicle is driven at a speed faster than about 20 km/h (12 mph), a beep sound will be heard again for a specified period of time.
Refer to Seat Belt Reminder on page 2-25.

▼Ignition Key Reminder

If the ignition is switched off or the ignition is switched to ACC with the key inserted, a continuous beep sound will be heard when the driver's door is opened.

▼Tire Inflation Pressure Warning Beep

The warning beep sound will be heard for about 3 seconds when there is any abnormality in tire inflation pressures (page 5-27).

Information Provided by: DEALER E-PROCESS

▼Advanced Keyless Warning (with Advanced Key)*

Warning indicators for the advanced key, such as “the advanced key removed from vehicle warning”, use a beep sound and warning/indicator lights in the instrument cluster.
Refer to Warning Lights and Beep Sounds on page 3-20.

▼Electronic Steering Lock Warning Beep (with Advanced Key)

If the advanced keyless function has a malfunction after the push button start is pressed, the warning beep may activate. For vehicles equipped with the steering wheel lock function, the warning beep activates if the steering wheel lock is not released.

▼Blind Spot Monitoring System Warning Beep*

A warning beep sounds when the turn signal lever is operated to signal a lane change on either side and where the vehicle may hit an approaching vehicle in an adjacent lane.

 *Some models.

Information Provided by: DEALER E-PROCESS

Lighting Control

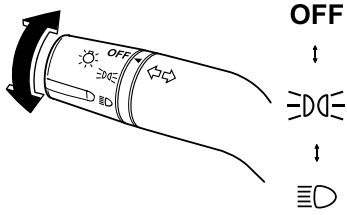
▼Headlights

Turn the headlight switch to turn the headlights, other exterior lights and dashboard illumination on or off.

NOTE

- *To prevent discharging the battery, do not leave the lights on while the engine is off unless safety requires them.*
- *If the light switch is left on, the lights will automatically switch off approximately 30 seconds after switching the ignition to ACC or switching the ignition off. The time setting can be changed. Refer to Personalization Features on page 10-9.*

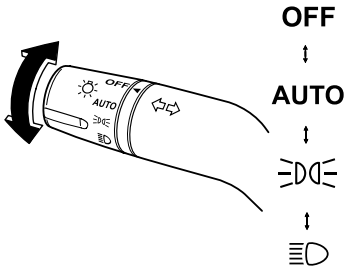
Without AUTO position



Switch Position	OFF		
Headlights	Off	Off	On
Taillights Parking lights License lights Dashboard illumination	Off	On	On

Information Provided by: DEALER E-PROCESS

With AUTO position



Switch Position	OFF	AUTO		
Headlights	Off	Auto	Off	On
Taillights Parking lights License lights Dashboard illumination	Off		On	On

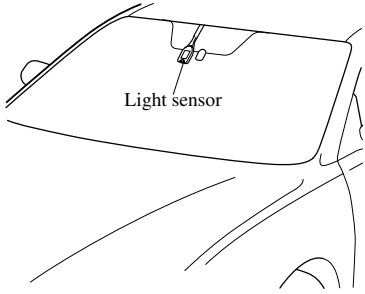
Information Provided by: DEALER E-PROCESS

AUTO (Auto-light control)

When the headlight switch is in the AUTO position and the ignition is switched ON, the light sensor senses the surrounding lightness or darkness and automatically turns the headlights, other exterior lights and dashboard illumination on or off (see chart above).

⚠ CAUTION

- *Do not shade the light sensor by adhering a sticker or a label on the windshield. Otherwise the light sensor will not operate correctly.*



- *The light sensor also works as a rain sensor for the auto-wiper control. Keep hands and scrapers clear of the windshield when the wiper lever is in the AUTO position and the ignition is switched ON as fingers could be pinched or the wipers and wiper blades damaged when the wipers activate automatically. If you are going to clean the windshield, be sure the wipers are turned off completely — this is particularly important when clearing ice and snow — when it is particularly tempting to leave the engine running.*

NOTE

- *The headlights, other exterior lights and dashboard illumination may not turn off immediately even if the surrounding area becomes well-lit because the light sensor determines that it is nighttime if the surrounding area is continuously dark for several minutes such as inside long tunnels, traffic jams inside tunnels, or in indoor parking lots.*
  In this case, the light turns off if the light switch is turned to the OFF position.
- *The dashboard illumination can be adjusted by rotating the knob in the instrument cluster. Also, the day/night mode can be changed by pressing the knob. To adjust the brightness of the dashboard illumination: Refer to Dashboard Illumination on page 5-43.*
- *The sensitivity of the AUTO lights may be changed by an Authorized Mazda Dealer. Refer to Personalization Features on page 10-9.*

Information Provided by: DEALER E-PROCESS

Xenon fusion headlight bulbs *

The low-beam bulbs of the headlights have xenon fusion bulbs that produce a bright white beam over a wide area.

⚠ WARNING

Do not replace the xenon fusion bulbs yourself

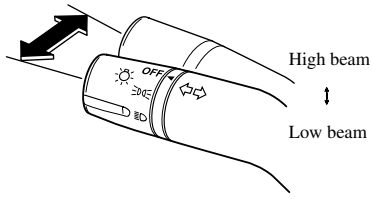
Replacing the xenon fusion bulbs yourself is dangerous. Because the xenon fusion bulbs require high voltage, you could receive an electric shock if the bulbs are handled incorrectly. Consult an Authorized Mazda Dealer when the replacement is necessary.

NOTE

If the headlights flicker, or the brightness weakens, the bulb-life may be depleted and a replacement is necessary. Consult an Authorized Mazda Dealer.

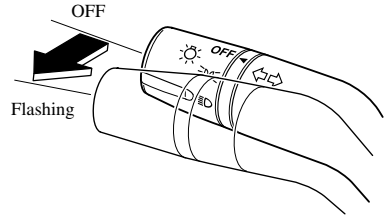
▼Headlight High-Low Beam

Press the lever forward to turn on the high beams.
Pull the lever back to its original position for the low beams.



▼Flashing the Headlights

To flash the headlights, pull the lever fully towards you (the headlight switch does not need to be on). The lever will return to the normal position when released.



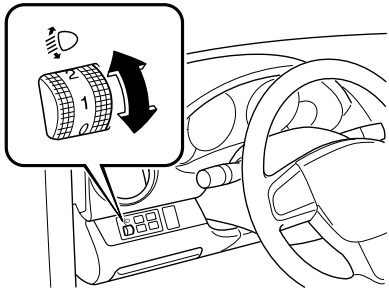
 *Some models.

Information Provided by: DEALER E-PROCESS

▼Headlight Leveling *

The number of passengers and weight of cargo in the luggage compartment change the angle of the headlights.

The headlight leveling switch is used to adjust the angle of the headlights manually.



Select the proper headlight angle from the following chart.

Front seat		Rear seat	Load	Switch Position
Driver	Passenger			
×	—	—	—	0
×	×	—	—	0
×	×	×	—	1
×	×	×	×	2
×	—	—	×	3

×: Yes
—: No

▼Daytime Running Lights (Canada)

In Canada, vehicles must be driven with the headlights on during daytime operation.

For that reason, the daytime running lights automatically turn on when the ignition is switched ON.

NOTE

The Daytime Running Lights turn off when the parking brake is applied.

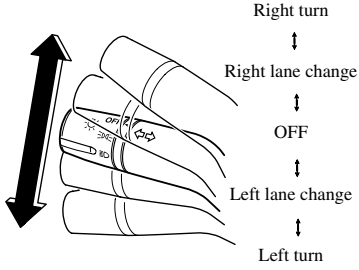
Information Provided by: DEALER E-PROCESS

Turn and Lane-Change Signals

Turn Signals

Move the signal lever down (for a left turn) or up (for a right turn) to the stop position. The signal will self-cancel after the turn is completed.

If the indicator light continues to flash after a turn, manually return the lever to its original position.



Green indicators on the dashboard show which signal is working.

Lane-change signals

Move the lever slightly toward the direction of the change —until the indicator flashes— and hold it there. It will return to the off position when released.

NOTE

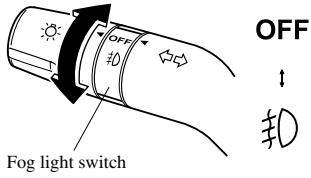
- *If an indicator light stays on without flashing or if it flashes abnormally, one of the turn signal bulbs may be burned out.*
- *A personalized function is available to change the number of flashes.*
  Refer to Personalization Features on page 10-9.
- *A personalized function is available to change the turn indicator sound volume.*
  Refer to Personalization Features on page 10-9.

Information Provided by: DEALER E-PROCESS

Fog Lights*

Use this switch to turn on the fog lights. The fog lights will help you to see as well as be seen under foggy conditions or at night.

To turn the fog lights on, rotate the fog light switch to the position.
The headlight switch must be in the position before turning on the fog lights.



Fog light switch

To turn them off, rotate the fog light switch to the OFF position or turn the headlight switch to the or OFF position.

NOTE

- *The fog lights will turn off when the headlights are set at high beam.*
- ***(With auto-light control)***
  If the fog light switch is in the ON position and the headlight switch is in the AUTO position, the fog lights will be turned on when the headlights, the exterior lights and dashboard illumination are automatically turned on.

Windshield Wipers and Washer

The ignition must be switched ON.

⚠ WARNING

Use only windshield washer fluid or plain water in the reservoir:

Using radiator antifreeze as washer fluid is dangerous. If sprayed on the windshield, it will dirty the windshield, affect your visibility, and could result in an accident.

Only use windshield washer fluid mixed with anti-freeze protection in freezing weather conditions:

Using windshield washer fluid without anti-freeze protection in freezing weather conditions is dangerous as it could freeze on the windshield and block your vision which could cause an accident.
In addition, make sure the windshield is sufficiently warmed using the defroster before spraying the washer fluid.

Information Provided by: DEALER E-PROCESS

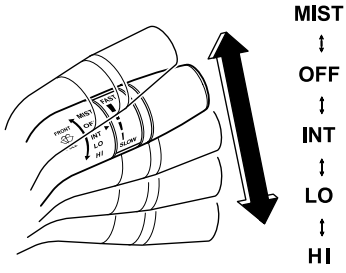
NOTE

Because heavy ice and snow can jam the wiper blades, the wiper motor is protected from motor breakdown, overheating and possible fire by a circuit breaker. This mechanism will automatically stop operation of the blades, but only for about 5 minutes.
If this happens, turn off the wiper switch and park off the right-of-way, and remove the snow and ice.
After 5 minutes, turn on the switch and the blades should operate normally. If they do not resume functioning, consult an Authorized Mazda Dealer as soon as possible. Drive to the side of the road and park off the right-of-way. Wait until the weather clears before trying to drive with the wipers inoperative.

▼Windshield Wipers

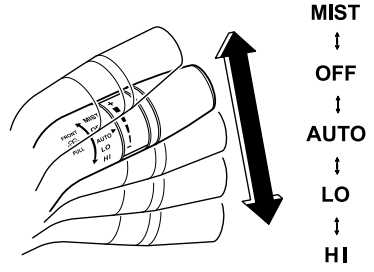
Turn the wipers on by pressing the lever up or down.

With INT position



Switch Position		Wiper operation
①	MIST	Single wipe cycle (mist)
②	INT	Intermittent
③	LO	Low speed
④	HI	High speed

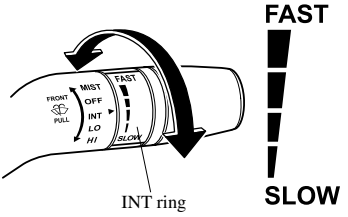
With AUTO position



Switch Position		Wiper operation
①	MIST	Single wipe cycle (mist)
②	AUTO	Auto control
③	LO	Low speed
④	HI	High speed

Variable-speed intermittent wipers

Set the lever to the intermittent position and choose the interval timing by rotating the ring.

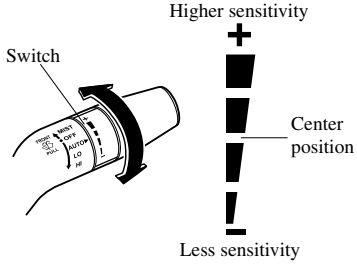


Form No.8CD1-EA-11C
Information Provided by: DEALER E-PROCESS

AUTO (Auto-wiper control)

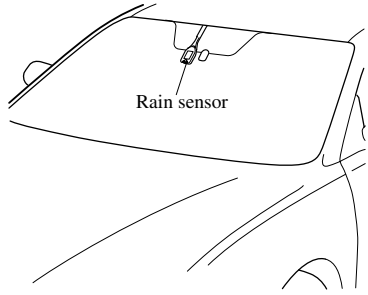
When the wiper lever is in the AUTO position, the rain sensor senses the amount of rainfall on the windshield and turns the wipers on or off automatically (off—intermittent—low speed—high speed).

The sensitivity of the rain sensor can be adjusted by turning the switch on the wiper lever.
From the center position (normal), rotate the switch downward for higher sensitivity (faster response) or rotate it upward for less sensitivity (slower response).



CAUTION

- *Do not shade the rain sensor by adhering a sticker or a label on the windshield. Otherwise the rain sensor will not operate correctly.*



Information Provided by: DEALER E-PROCESS

- *When the wiper lever is in the AUTO position and the ignition is switched ON, the wipers may move automatically in the following cases:*
  - *If the windshield above the rain sensor is touched or wiped with a cloth.*
  - *If the windshield is struck with a hand or other object from either outside or inside the vehicle.*

  Keep hands and scrapers clear of the windshield when the wiper lever is in the AUTO position and the ignition is switched ON as fingers could be pinched or the wipers and wiper blades damaged when the wipers activate automatically.
  If you are going to clean the windshield, be sure the wipers are turned off completely—this is particularly important when clearing ice and snow—when it is most likely that the engine is left running.

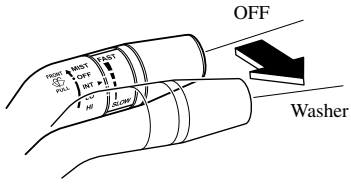
NOTE

- *Switching the auto-wiper lever from the OFF to the AUTO position while driving activates the windshield wipers once, after which they operate according to the rainfall amount.*
- *The auto-wiper control may not operate when the rain sensor temperature is about –10 °C (14 °F) or lower, or about 85 °C (185 °F) or higher.*
- *If the windshield is coated with water repellent, the rain sensor may not be able to sense the amount of rainfall correctly and auto-wiper control may not operate properly.*
- *If dirt or foreign matter (Such as ice or matter containing salt water) adheres to the windshield above the rain sensor or if the windshield is iced, it could cause the wipers to move automatically. However, if the wipers cannot remove this ice, dirt or foreign matter, the auto-wiper control will stop operation. In this case, set the wiper lever to the low speed position or high speed position for manual operation, or remove the ice, dirt or foreign matter by hand to restore the auto-wiper operation.*
- *If the auto-wiper lever is left in the AUTO position, the wipers could operate automatically from the effect of strong light sources, electromagnetic waves, or infrared light because the rain sensor uses an optical sensor. It is recommended that the auto-wiper lever be switched to the OFF position other than when driving the vehicle under rainy conditions.*

Information Provided by: DEALER E-PROCESS

▼Windshield Washer

Pull the lever toward you and hold it to spray washer fluid.



NOTE

With the wiper lever in the OFF or intermittent position/AUTO position, the wipers will operate continuously until the lever is released.

If the washer does not work, inspect the fluid level (page 8-26). If it's normal, consult an Authorized Mazda Dealer.

Rear Window Defroster

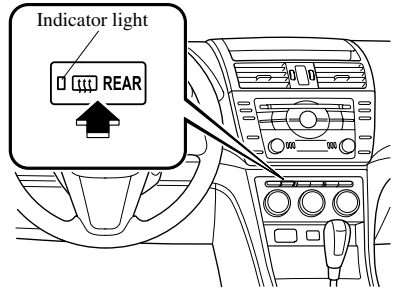
The rear window defroster clears frost, fog, and thin ice from the rear window.

The ignition must be switched ON.

Press the switch to turn on the rear window defroster. The rear window defroster operates for about 15 minutes and turns off automatically.
The indicator light illuminates during operation.

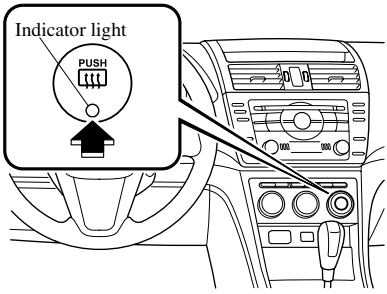
To turn off the rear window defroster before the 15 minutes has elapsed, press the switch again.

Fully Automatic Type Air-Conditioning



Information Provided by: DEALER E-PROCESS

Manual Type Air-Conditioning



⚠ CAUTION

Do not use sharp instruments or window cleaners with abrasives to clean the inside of the rear window surface. They may damage the defroster grid inside the window.

NOTE

This defroster is not designed for melting snow. If there is an accumulation of snow on the rear window, remove it before using the defroster.

▼Mirror Defroster*

To turn on the mirror defrosters, switch the ignition ON and press the rear window defroster switch (page 5-71).

NOTE

For vehicles equipped with mirror de-fogging equipment, is indicated on each door mirror.

Horn

To sound the horn, press the mark on the steering wheel.

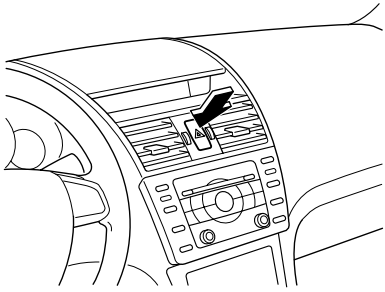
 *Some models.

Information Provided by: DEALER E-PROCESS

Hazard Warning Flasher

The hazard warning lights should always be used when you stop on or near a roadway in an emergency.

The hazard warning lights warn other drivers that your vehicle is a traffic hazard and that they must take extreme caution when near it.



Depress the hazard warning flasher and all the turn signals will flash.

NOTE

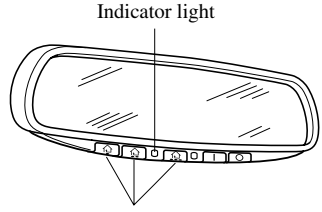
- *The turn signals do not work when the hazard warning lights are on.*
- *Check local regulations about the use of hazard warning lights while the vehicle is being towed to verify that it is not in violation of the law.*

HomeLink Wireless Control System*

NOTE

HomeLink and HomeLink house are registered trademarks of Johnson Controls.

The HomeLink system replaces up to 3 hand-held transmitters with a single built-in component in the auto-dimming mirror. Pressing the HomeLink button on the auto-dimming mirror activates garage doors, gates and other devices surrounding your home.



*Some models.

Information Provided by: DEALER E-PROCESS

⚠ WARNING

Do not use the HomeLink system with any garage door opener that lacks the safety stop and reverse feature:

Using the HomeLink system with any garage door opener that lacks the safety stop and reverse feature as required by federal safety standards is dangerous. (This includes garage doors manufactured before April 1, 1982.)

Using these garage door openers can increase the risk of serious injury or death. For further information, contact HomeLink at 1-800-355-3515 or www.homelink.com or your Authorized Mazda Dealer.

Always check the areas surrounding garage doors and gates for people or obstructions before programming or during operation of the HomeLink system:

Programming or operating the HomeLink system without verifying the safety of areas surrounding garage doors and gates is dangerous and could result in an unexpected accident and serious injury if someone were to be hit.

⚠ CAUTION

HomeLink has been tested and complies with FCC and Industry Canada rules. Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the device.

NOTE

FCC ID: NZLOBIHL3
CANADA:4112A-OBIHL3
This device complies with FCC rules part 15. Operation is subject to the following conditions:
1- This device may not cause any harmful interference and
2- This device must accept any interference that may be received including interference that may cause undesired operation.

NOTE

The programming will not be erased even if the battery is disconnected.

▼Pre-programming the HomeLink System

NOTE

It is recommended that a new battery be placed in the hand-held transmitter of the device being programmed to HomeLink for quicker training and accurate transmission of the radio-frequency signal.

- Verify that there is a remote control transmitter available for the device you would like to program.
- Disconnect the power to the device.

▼Programming the HomeLink System

⚠ CAUTION

When programming a garage door opener or a gate, disconnect the power to these devices before performing programming, as continuous operation of the devices could damage the motor.

Information Provided by: DEALER E-PROCESS

The HomeLink system provides 3 buttons which can be individually selected and programmed using the transmitters for current, on-market devices as follows:

1. Press and hold the two outer HomeLink buttons (buttons one and three) — releasing only when the indicator light begins to flash (after 20 seconds). **Do not** hold the buttons for longer than 30 seconds and **do not repeat step 1** to program a second and/or third hand-held transmitter to the remaining two HomeLink buttons.
2. Position the end of your hand-held transmitter 2.5—7.5 cm (1—3 inches) away from the HomeLink button you wish to program while keeping the indicator light in view.
3. Simultaneously press and hold both the chosen HomeLink and hand-held transmitter buttons. **Do not release the buttons until step 4 has been completed.**

NOTE
Some gate operators and garage door openers may require you to replace this Programming Step 3 with procedures noted in the "Gate Operator/Canadian Programming" section.

4. After the HomeLink indicator light changes from a slow to a rapidly blinking light, release both the HomeLink and hand-held transmitter buttons.

NOTE
If the HomeLink indicator light does not change to a rapidly blinking light, contact HomeLink at ***www.homelink.com*** *or call* ***1-800-355-3515*** *for assistance.*

5. Press and hold the just-trained HomeLink button and observe the indicator light.

If the indicator light **stays on constantly, programming is complete** and your device should activate when the HomeLink button is pressed and released.

NOTE
To program the remaining two HomeLink buttons, begin with "Programming" ***— step 2. Do not repeat step 1.***

If the indicator light blinks **rapidly for two seconds and then turns to a constant light, continue with "Programming" steps 6—8** to complete the programming of a rolling code equipped device (most commonly a garage door opener).

6. At the garage door opener receiver (motor-head unit) in the garage, locate the "learn" or "smart" button. This can usually be found where the hanging antenna wire is attached to the motor-head unit.
7. Firmly press and release the "learn" or "smart" button. (The name and color of the button may vary by manufacturer.)

NOTE
There are 30 seconds in which to initiate step 8.

8. Return to the vehicle and firmly **press, hold for two seconds and release** the programmed HomeLink button. Repeat the "**press/hold/release**" sequence a second time, and, depending on the brand of the garage door opener (or other rolling code equipped device), repeat this sequence a third time to complete the programming process.

Information Provided by: DEALER E-PROCESS

HomeLink should now activate your rolling code equipped device.

NOTE
*To program the remaining two HomeLink buttons, begin with "Programming" — **step 2. Do not repeat step 1.***

For questions or comments, please contact HomeLink at **www.homelink.com** or **1-800-355-3515.**

▼Gate operator/Canadian Programming

Canadian radio-frequency laws require transmitter signals to "time-out" (or quit) after several seconds of transmission — which may not be long enough for HomeLink to pick up the signal during programming. Similar to this Canadian law, some U.S. gate operators are designed to "time-out" in the same manner.

If you live in Canada or you are having difficulties programming a gate operator by using the "Programming" procedures (regardless of where you live), **replace "Programming HomeLink" step 3** with the following:

NOTE
If programming a garage door opener or gate operator, it is advised to unplug the device during the "cycling" process to prevent possible overheating.

Continue to press and hold the HomeLink button while you **press and release — every two seconds** ("cycle") your hand-held transmitter until the frequency signal has successfully been accepted by HomeLink. (The indicator light will flash slowly and then rapidly.)
Proceed with "Programming" step 4 to complete.

▼Operating the HomeLink System

Press the programmed HomeLink button to operate a programmed device. The code will continue being transmitted for a maximum of 20 seconds.

▼Reprogramming the HomeLink system

To program a device to HomeLink using a HomeLink button previously trained, follow these steps:

1. Press and hold the desired HomeLink button. **DO NOT** release the button.
2. The indicator light will begin to flash after 20 seconds. Without releasing the HomeLink button, proceed with "Programming" - step 2.

▼Erasing Programmed HomeLink Buttons

To erase the existing programming from all three operating channels, press and hold the two outside buttons (,) on the auto-dimming mirror until the HomeLink indicator light begins to flash after approximately 20 seconds.
Verify that the programming has been erased when you resell the vehicle.

Information Provided by: DEALER E-PROCESS

6 Interior Comfort

Use of various features for drive comfort, including air-conditioning and audio system.

Climate Control System 6-2
Operating Tips 6-2
Vent Operation 6-3
Types of the Climate Control System 6-5
Manual Type 6-6
Fully Automatic Type 6-11

Audio System 6-16
Antenna 6-16
Operating Tips for Audio System 6-16
Types of the Audio Set 6-25
Audio Set (Type A) 6-27
Audio Set (Type B) 6-45
Audio Control Switch Operation 6-71
AUX Mode (Auxiliary input) 6-74
Safety Certification 6-77

Bluetooth Audio (Type A) 6-78
Bluetooth Audio (Type A)* 6-78

Bluetooth Audio (Type B) 6-87
Bluetooth Audio (Type B)* 6-87

Bluetooth Hands-Free (Voice Recognition) 6-95
Bluetooth Hands-Free* 6-95
Basic Bluetooth Hands-Free Operation 6-100
Convenient Use of the Hands-Free System 6-105
Hands-Free Setting 6-112
When Bluetooth Hands-Free Cannot be Used 6-120
Safety Certification 6-120
Mazda Bluetooth Hands-Free Customer Service 6-121

Bluetooth Hands-Free (Panel Operation) 6-122
Bluetooth Hands-Free* 6-122
Basic Bluetooth Hands-Free Operation 6-124
Convenient Use of the Hands-Free System 6-127
Hands-Free Setting 6-131
When Bluetooth Hands-Free Cannot be Used 6-133
Safety Certification 6-134
Mazda Bluetooth Hands-Free Customer Service 6-134

Rear View Monitor 6-135
Rear View Monitor* 6-135

Interior Equipment 6-141
Sunvisors 6-141
Interior Lights 6-142
Information Display 6-144
Cup Holder 6-148
Bottle Holder 6-149
Storage Compartments 6-150
Accessory Sockets 6-153

*Some models.

Form No.8CD1-EA-11C
Information Provided by: DEALER E-PROCESS

Operating Tips

▼Operating the Climate Control System

Operate the climate control system with the engine running.

NOTE
To prevent the battery from being discharged, do not leave the fan control dial on for a long period of time with the ignition switched ON when the engine is not running.

▼Clearing the Air Inlet

Clear all obstructions such as leaves, snow and ice from the hood and the air inlet in the cowl grille to improve the system efficiency.

▼Foggy Windows

The windows may fog up easily in humid weather. Use the climate control system to defog the windows.

To help defog the windows, operate the air conditioner to dehumidify the air.

NOTE
The air conditioner may be used along with the heater to dehumidify the air.

▼Parking in Direct Sunlight

If the vehicle has been parked in direct sunlight during hot weather, open the windows to let warm air escape, then run the climate control system.

▼Not Using for a Long Period

Run the air conditioner about 10 minutes at least once a month to keep internal parts lubricated.

▼Check the Refrigerant before the Weather Gets Hot

Have the air conditioner checked before the weather gets hot. Lack of refrigerant may make the air conditioner less efficient. Consult an Authorized Mazda Dealer for refrigerant inspection.

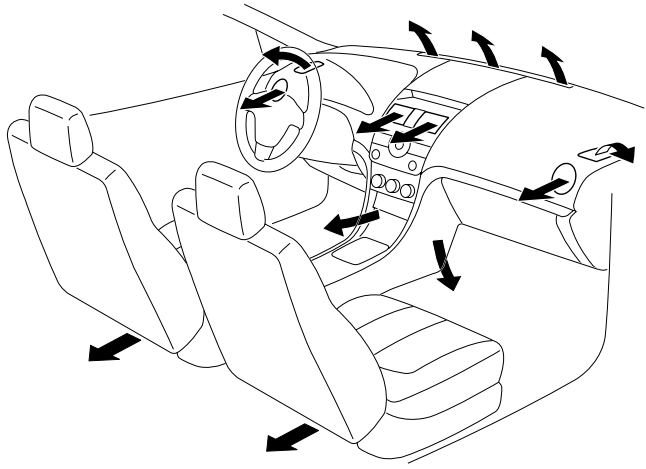
The air conditioner is filled with HFC134a (R134a), a refrigerant that will not damage the ozone layer.
If the air conditioner is low on refrigerant or has a malfunction, consult an Authorized Mazda Dealer.

▼Replacement of the Cabin Air Filter

Your vehicle is equipped with an air filter for the air conditioner. It is necessary to change the filter periodically as indicated in scheduled maintenance (page 8-3). Consult an Authorized Mazda Dealer for replacement of the cabin air filter.

Information Provided by: DEALER E-PROCESS

Vent Operation

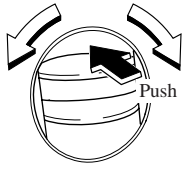


▼Adjusting the Vents

Directing airflow

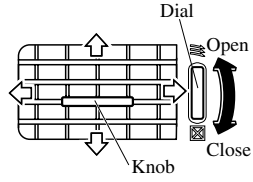
Side Vents

To adjust the direction of airflow, open the vents and rotate them left and right.



Center Vents

To adjust the direction of airflow, move the adjustment knob.



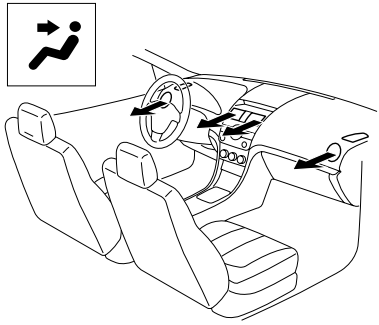
NOTE

When using the air conditioner under humid ambient temperature conditions, the system may blow fog from the vents. This is not a sign of trouble but a result of humid air being suddenly cooled.

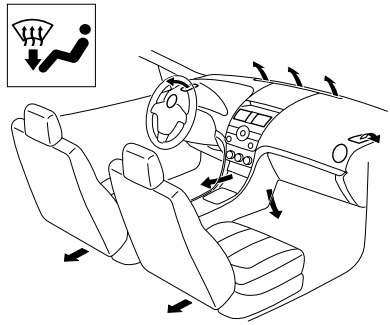
Information Provided by: DEALER E-PROCESS

▼Selecting the Airflow Mode

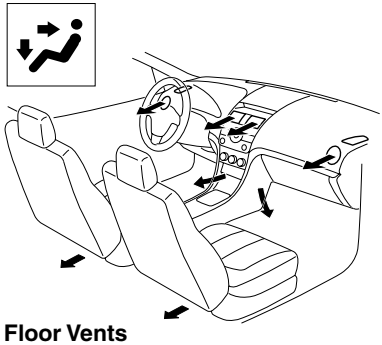
Dashboard Vents



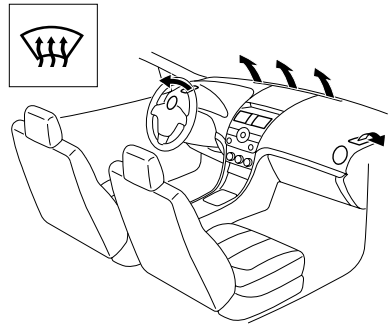
Defroster and Floor Vents



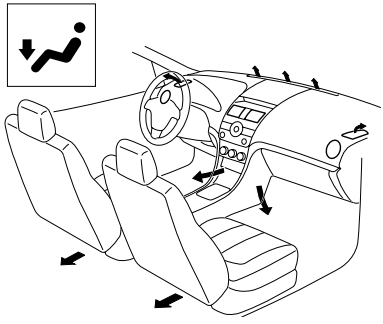
Dashboard and Floor Vents



Defroster Vents



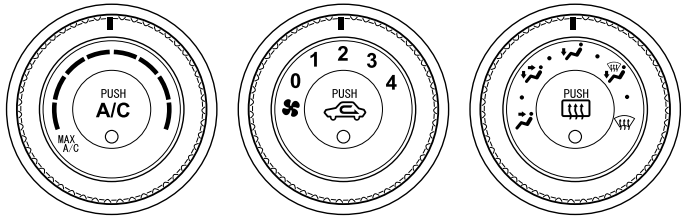
Floor Vents



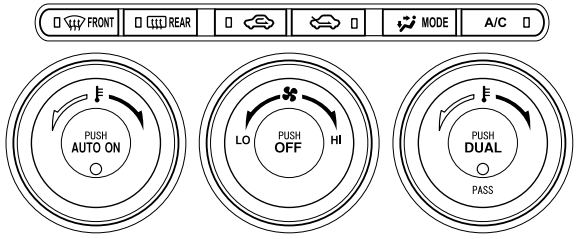
Information Provided by: DEALER E-PROCESS

Types of the Climate Control System

Manual type and fully automatic type climate control systems are explained separately.
Check your vehicle's climate control type and read the appropriate pages.
Manual Type ..... page 6-6

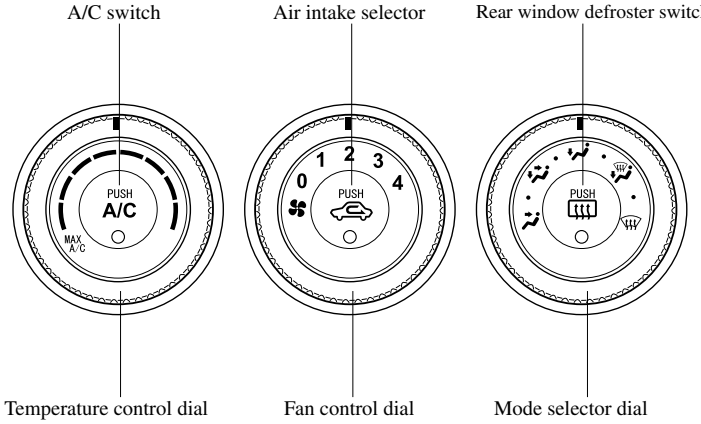


Fully Automatic Type ..... page 6-11



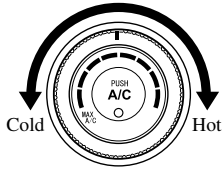
Information Provided by:
DEALER E-PROCESS

Manual Type



▼Control Switches

Temperature control dial



This dial controls temperature. Turn it clockwise for hot and counterclockwise for cold.

MAX-A/C position

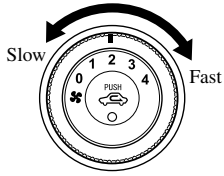
For quick cabin cooling, rotate the temperature control dial counterclockwise to the MAX-A/C position. The A/C system automatically turns on and the air intake mode switches to the recirculation position automatically.

NOTE

When the mode is set to or with the fan control dial in a position other than 0 and the temperature control dial in the maximum cold position, the air intake selector switches to the recirculated air mode and the A/C turns on automatically.
If A/C is not desired, press the A/C switch to turn it off.

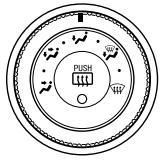
Information Provided by: DEALER E-PROCESS

Fan control dial



This dial allows variable fan speeds.
0—Fan off
1—Low speed
2—Medium low speed
3—Medium high speed
4—High speed

Mode selector dial

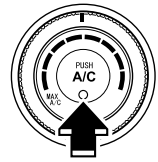


Turn the mode selector dial to select airflow mode (page 6-4).

NOTE

- *The mode selector dial can be set at the intermediate positions (●) between each mode. Set the dial to an intermediate position if you want to slightly adjust the airflow amount.*
- *For example, when the mode selector dial is at the ● position between the and positions, airflow from the floor vent is less than that of the position.*

A/C switch



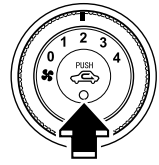
Press the A/C switch to turn the air conditioner on. The indicator light on the switch will illuminate when the fan control dial is set at position 1, 2, 3, or 4.

Press the switch once again to turn the air conditioner off.

NOTE

The air conditioner may not function when the outside temperature approaches 0 °C (32 °F).

Air intake selector



This switch controls the source of air entering the vehicle.

Press the switch to alternate between the outside air and recirculated air modes.

It is recommended that under normal conditions the switch be kept in the outside air mode.

Information Provided by: DEALER E-PROCESS

Outside air mode (indicator light turned off)

Outside air is taken into the vehicle. Use this mode for normal ventilation and heating.

Recirculated air mode (indicator light illuminated)

Outside air is shut off. Air within the vehicle is recirculated.

This mode can be used when driving on a dusty road or in similar conditions. It also helps to provide quicker cooling of the interior.

⚠ WARNING

Do not use the recirculated air mode in cold or rainy weather:

Using the recirculated air mode in cold or rainy weather is dangerous as it will cause the windows to fog up. Your vision will be hampered, which could lead to a serious accident.

▼Heating

1. Set the mode selector dial to the position.
2. Set the temperature control dial to the hot position.
3. Set the fan control dial to the desired speed.

NOTE

- *If the windshield fogs up easily, set the mode selector dial to the position.*
- *If cooler air is desired at face level, set the mode selector dial at the position and adjust the temperature control dial to maintain maximum comfort.*
- *The air to the floor is warmer than air to the face (except when the temperature control dial is set at the extreme hot or cold position).*
- *In the or position, the air conditioner is automatically turned on (however, the indicator light does not illuminate) and the outside air mode is automatically selected to defrost the windshield.*
  In the or position, the outside air mode cannot be changed to the recirculated air mode.

▼Cooling (With Air Conditioner)

1. Set the mode selector dial to the position.
2. Set the temperature control dial to the cold position.
3. Set the fan control dial to the desired speed.
4. Turn on the air conditioner by pressing the A/C switch.
5. Adjust the fan control dial and temperature control dial to maintain maximum comfort.

Information Provided by: DEALER E-PROCESS

⚠ CAUTION

When using the air conditioner while driving up long hills or in heavy traffic, closely monitor the temperature gauge (page 5-42). The air conditioner may cause engine overheating. If the gauge indicates overheating, turn the air conditioner off (page 7-13).

NOTE

- *When maximum cooling is desired, set the temperature control dial to the extreme cold position and set the air intake selector to the recirculated air mode, then set the fan control dial to position 4.*
- *If warmer air is desired at floor level, set the mode selector dial at the position and adjust the temperature control dial to maintain maximum comfort.*
- *The air to the floor is warmer than air to the face (except when the temperature control dial is set at the extreme hot or cold position).*

▼Ventilation

1. Set the mode selector dial to the position.
2. Set the air intake selector to the outside air mode.
3. Set the temperature control dial to the desired position.
4. Set the fan control dial to the desired speed.

▼Windshield Defrosting and Defogging

1. Set the mode selector dial to the position.
2. Set the temperature control dial to the desired position.
3. Set the fan control dial to the desired speed.

⚠ WARNING

Do not defog the windshield using the position with the temperature control set to the cold position:

Using the position with the temperature control set to the cold position is dangerous as it will cause the outside of the windshield to fog up. Your vision will be hampered, which could lead to a serious accident. Set the temperature control to the hot or warm position when using the position.

Information Provided by: DEALER E-PROCESS

NOTE

- *For quick cabin cooling, rotate the temperature control dial counterclockwise to the MAX-A/C position. The A/C system automatically turns on and the air intake mode switches to the recirculation position automatically.*
- *For maximum defrosting, set the temperature control dial to the extreme hot position and the fan control dial to position 4.*
- *If warm air is desired at the floor, set the mode selector dial to the position.*
- *In the , or position, the air conditioner is automatically turned on (however, the indicator light does not illuminate) and the outside air mode is automatically selected to defrost the windshield.*
  In the or position, the outside air mode cannot be changed to the recirculated air mode.

▼Dehumidifying (With Air Conditioner)

Operate the air conditioner in cool or cold weather to help defog the windshield and side windows.

1. Set the mode selector dial to the desired position.
2. Set the air intake selector to the outside air mode.
3. Set the temperature control dial to the desired position.
4. Set the fan control dial to the desired speed.
5. Turn on the air conditioner by pressing the A/C switch.

NOTE

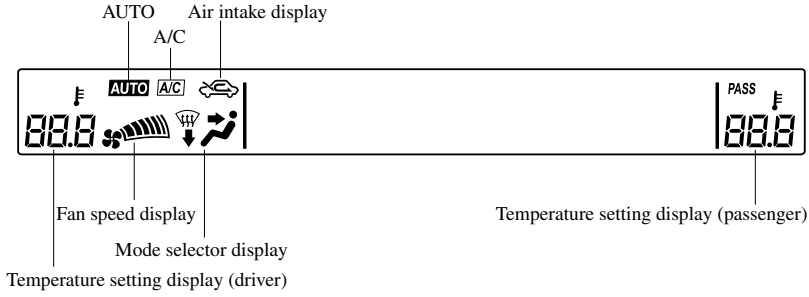
One of the functions of the air conditioner is dehumidifying the air and, to use this function, the temperature does not have to be set to cold. Therefore, set the temperature control dial to the desired position (hot or cold) and turn on the air conditioner when you want to dehumidify the cabin air.

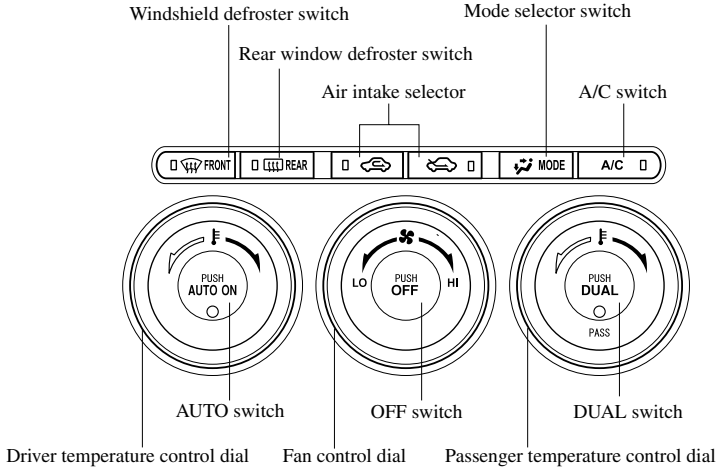
Information Provided by: DEALER E-PROCESS

Fully Automatic Type

Climate control information is displayed on the information display.

Information display





Information Provided by: DEALER E-PROCESS

Climate Control System

▼Control Switches

AUTO switch

By pressing the AUTO switch the following functions will be automatically controlled in accordance with the selected set temperature:

- Airflow temperature
- Amount of airflow
- Selection of airflow mode
- Outside/Recirculated air selection
- Air conditioner operation

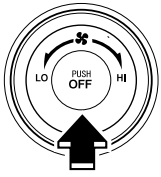
NOTE

AUTO switch indicator light

- *When on, it indicates AUTO operation, and the system will function automatically.*
- *If any of the following dials or switches are operated while in AUTO control, the AUTO switch indicator turns off.*
  - *Mode selector switch*
  - *Fan control dial*
  - *Windshield defroster switch*

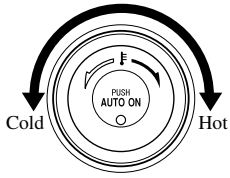
  The functions for dials and switches other than those operated in the above continue to operate in AUTO control.

OFF switch



Pressing the OFF switch shuts off the climate control system.

Temperature control dial



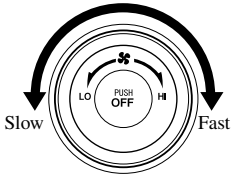
This dial controls temperature. Turn it clockwise for hot and counterclockwise for cold.

- When the DUAL switch is off:
  Turn the driver temperature control dial to control the temperature.
- When the DUAL switch is on:
  Turn the driver or front passenger temperature control dial to control the temperature.

NOTE

The system changes to the individual operation mode (DUAL switch indicator light illuminated) by turning the front passenger temperature control dial even when the DUAL switch is off, which allows individual control of the set temperature for the driver and front passenger.

Fan control dial



The fan has seven speeds. The selected speed will be displayed.

Information Provided by: DEALER E-PROCESS

Mode selector switch

The desired airflow mode can be selected (page 6-4).

NOTE

- *With the airflow mode set to the position and the temperature control dial set at a medium temperature, heated air is directed to the feet and a comparably lower air temperature will flow through the central, left and right vents.*
- *To set the air vent to , press the windshield defroster switch.*
- *In the position, the air conditioner is automatically turned on and the outside air mode is automatically selected to defrost the windshield. In the position, the outside air mode cannot be changed to the recirculated air mode.*

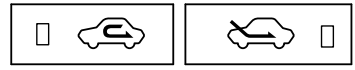
A/C switch

Pressing the A/C switch while the AUTO switch is turned on will turn off the air conditioning (cooling/dehumidifying functions). The air conditioning can be turned on and off by pressing the A/C switch while the fan control dial is on.

NOTE

- *The air conditioning operates when the A/C switch is pressed even if the fan is off.*
- *The air conditioner may not function when the outside temperature approaches 0 °C (32 °F). (Indicator light remains on even when system is off.)*

Air intake selector



Outside or recirculated air positions can be selected. Press the switch to select outside/recirculated air positions.
Recirculated air position ( )
Use this position when going through tunnels, driving in congested traffic (high engine exhaust areas) or when quick cooling is desired.

Outside air position ( )
Use this position for normal conditions and defogging.

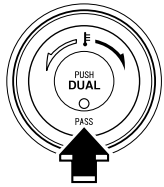
WARNING

Do not use the position in cold or rainy weather:

Using the position in cold or rainy weather is dangerous as it will cause the windows to fog up. Your vision will be hampered, which could lead to a serious accident.

Information Provided by: DEALER E-PROCESS

DUAL switch



Use the DUAL switch to change the mode between the individual operation (driver and passenger) and interconnection (simultaneous) modes.

Individual operation mode (indicator light illuminated)

The set temperature can be controlled individually for the driver and front passenger.

Interconnection mode (indicator light turned off)

The set temperature for the driver and front passenger is controlled simultaneously.

NOTE

The system changes to the interconnection mode automatically if the windshield defroster switch is pressed. The system will not change to the individual operation mode by pressing the DUAL switch or turning the front passenger temperature control dial.

Windshield defroster switch

Press the switch to defrost the windshield and front door windows.

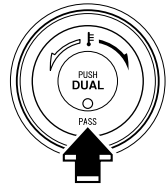
NOTE

In the position, the air conditioner is automatically turned on and the outside air mode is automatically selected to defrost the windshield. In the position, the outside air mode cannot be changed to the recirculated air mode.

▼Operation of Automatic Air Conditioning

1. Press the AUTO switch. Selection of the airflow mode, air intake selector and amount of airflow will be automatically controlled.

2. Use the temperature control dial to select a desired temperature. Press the DUAL switch or turn the front passenger temperature control dial to control the set temperature individually for the driver and front passenger.



To turn off the system, press the OFF switch.

Information Provided by: DEALER E-PROCESS

NOTE

- *Setting the temperature to the maximum high or low will not provide the desired temperature at a faster rate.*
- *When selecting heat, the system will restrict airflow until it has warmed to prevent cold air from blowing out of the vents.*

▼Windshield Defrosting and Defogging

Press the windshield defroster switch. In this position, the outside air position is automatically selected, and the air conditioner automatically turns on. The air conditioner will directly dehumidify the air to the front windshield and side windows (page 6-4). Airflow amount will be increased.

⚠ WARNING

Set the temperature control to the hot or warm position when defogging (position):

Using the position with the temperature control set to the cold position is dangerous as it will cause the outside of the windshield to fog up. Your vision will be hampered, which could lead to a serious accident.

NOTE

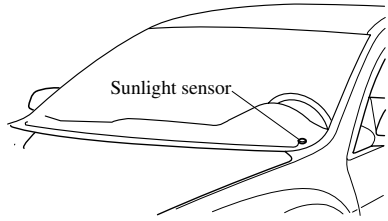
Use the temperature control dial to increase the air flow temperature and defog the windshield more quickly.

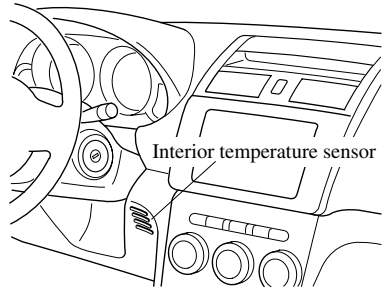
▼Sunlight/Temperature Sensor

The fully automatic air conditioner function measures inside and outside temperatures, and sunlight. It then sets temperatures inside the passenger compartment accordingly.

⚠ CAUTION

Do not obstruct either sensor, otherwise the automatic air conditioner will not operate properly.





Information Provided by: DEALER E-PROCESS

Antenna

▼AM/FM Radio Antenna

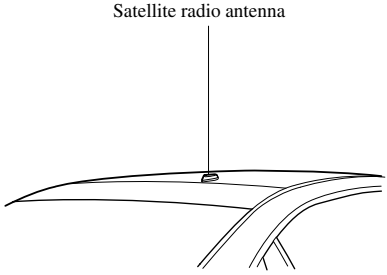
The antenna is printed onto the window glass.

⚠ CAUTION

When washing the inside of the window which has an antenna, use a soft cloth dampened in lukewarm water, gently wiping the antenna lines.
Use of glass cleaning products could damage the antenna.

▼Satellite Radio Antenna*

The satellite radio antenna receives SIRIUS signals.



Operating Tips for Audio System

⚠ WARNING

Do not adjust the audio control switches while driving the vehicle:
Adjusting the audio while driving the vehicle is dangerous as it could distract your attention from the vehicle operation which could lead to a serious accident. Always adjust the audio while the vehicle is stopped. Even if the audio control switches are equipped on the steering wheel, learn to use the switches without looking down at them so that you can keep your maximum attention on the road while driving the vehicle.

⚠ CAUTION

For the purposes of safe driving, adjust the audio volume to a level that allows you to hear sounds outside of the vehicle including car horns and particularly emergency vehicle sirens.

NOTE

- *To prevent the battery from being discharged, do not leave the audio system on for a long period of time when the engine is not running.*
- *If a cellular phone or CB radio is used in or near the vehicle, it could cause noise to occur from the audio system, however, this does not indicate that the system has been damaged.*

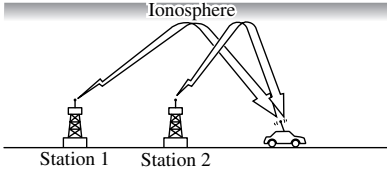
 *Some models.

Information Provided by: DEALER E-PROCESS

▼Radio Reception

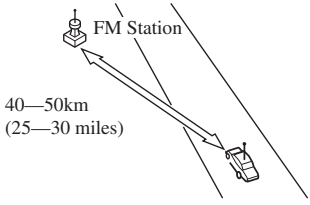
AM characteristics

AM signals bend around such things as buildings or mountains and bounce off the ionosphere. Therefore, they can reach longer distances than FM signals. Because of this, two stations may sometimes be picked up on the same frequency at the same time.

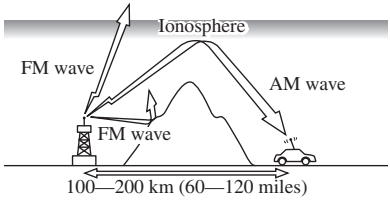


FM characteristics

An FM broadcast range is usually about 40—50 km (25—30 miles) from the source. Because of extra coding needed to break the sound into two channels, stereo FM has even less range than monaural (non-stereo) FM.



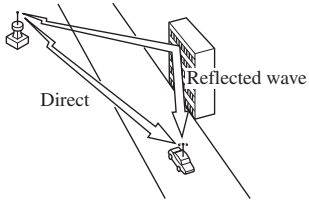
Signals from an FM transmitter are similar to beams of light because they do not bend around corners, but they do reflect. Unlike AM signals, FM signals cannot travel beyond the horizon. Therefore, FM stations cannot be received at the great distances possible with AM reception.



Atmospheric conditions can also affect FM reception. High humidity will cause poor reception. However, cloudy days may provide better reception than clear days.

Multipath noise

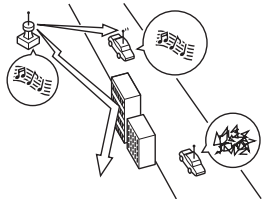
Since FM signals can be reflected by obstructions, it is possible to receive both the direct signal and the reflected signal at the same time. This causes a slight delay in reception and may be heard as a broken sound or a distortion. This problem may also be encountered when in close proximity to the transmitter.



Information Provided by: DEALER E-PROCESS

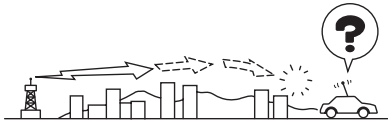
Flutter/Skip noise

Signals from an FM transmitter move in straight lines and become weak in valleys between tall buildings, mountains, and other obstacles. When a vehicle passes through such an area, the reception conditions may change suddenly, resulting in annoying noise.



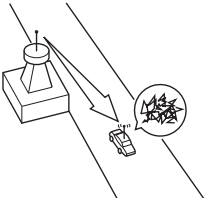
Weak signal noise

In suburban areas, broadcast signals become weak because of distance from the transmitter. Reception in such fringe areas is characterized by sound breakup.



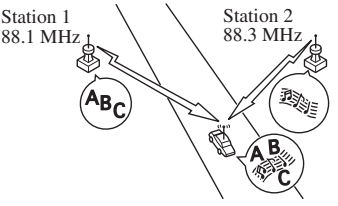
Strong signal noise

This occurs very close to a transmitter tower. The broadcast signals are extremely strong, so the result is noise and sound breakup at the radio receiver.



Station drift noise

When a vehicle reaches the area of two strong stations broadcasting at similar frequencies, the original station may be temporarily lost and the second station picked up. At this time there will be some noise from this disturbance.



Information Provided by: DEALER E-PROCESS

▼Operating Tips for CD Player/In-Dash CD Changer

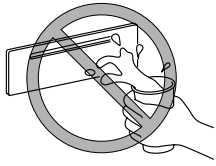
Condensation phenomenon

Immediately after turning on the heater when the vehicle is cold, the CD or optical components (prism and lens) in the CD player/In-dash CD changer may become clouded with condensation. At this time, the CD will eject immediately when placed in the unit. A clouded CD can be corrected simply by wiping it with a soft cloth. Clouded optical components will clear naturally in about an hour. Wait for normal operation to return before attempting to use the unit.

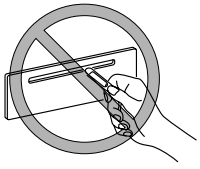
Handling the CD player/In-dash CD changer

The following precautions should be observed.

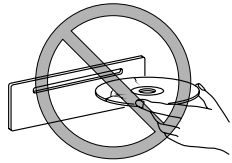
- Do not spill any liquid on the audio system.



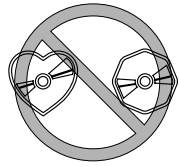
- Do not insert any objects, other than CDs, into the slot.



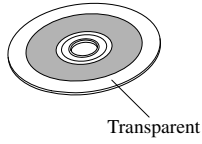
- The CD revolves at high speed within the unit. Defective (cracked or badly bent) CDs should never be used.



- Do not use non-conventional discs such as heart-shaped, octagonal discs, etc. The disc may not eject resulting in a malfunction.

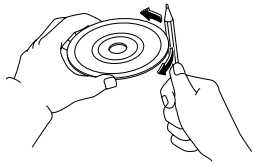


- If the memory portion of the CD is transparent or translucent, do not use the disc.

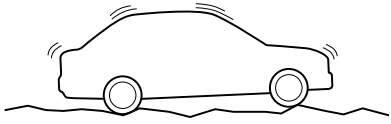


Information Provided by: DEALER E-PROCESS

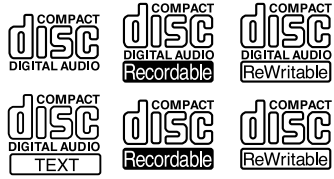
- A new CD may have rough edges on its inner and outer perimeters. If a disc with rough edges is used, proper setting will not be possible and the CD player/In-dash CD changer will not play the CD. In addition, the disc may not eject resulting in a malfunction. Remove the rough edges in advance by using a ball-point pen or pencil as shown below. To remove the rough edges, rub the side of the pen or pencil against the inner and outer perimeter of the CD.



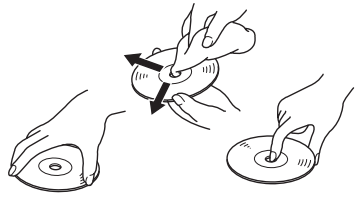
- When driving over uneven surfaces, the sound may jump.



- The CD player/In-dash CD changer has been designed to play CDs bearing the identification logo as shown below. No other discs can be played.



- Use discs that have been legitimately produced. If illegally-copied discs such as pirated discs are used, the system may not operate properly.
- Be sure never to touch the signal surface when handling the CDs. Pick up a CD by grasping the outer edge or the edge of the hole and the outer edge.



- Do not stick paper or tape on the CD. Avoid scratching the reverse side (the side without a label). The disc may not eject resulting in a malfunction.
- Dust, finger smudges, and dirt can decrease the amount of light reflected from the signal surface, thus affecting sound quality. If the CD should become soiled, gently wipe it with a soft cloth from the center of the CD to the edge.

Information Provided by: DEALER E-PROCESS

- Do not use record sprays, antistatic agents, or household spray cleaners. Volatile chemicals such as benzine and thinner can also damage the surface of the CD and must not be used. Anything that can damage, warp, or fog plastic should never be used to clean CDs.
- Insert discs one by one. If two discs are inserted at the same time, the system may not operate properly.
- The CD player/In-dash CD changer ejects the CD if the CD is inserted upside down. Also dirty and/or defective CDs may be ejected.
- Do not insert cleaning discs in the CD player/In-dash CD changer.
- Do not insert any disc with a peel-off seal affixed to it.
- This unit may not be able to play certain CD-R/CD-RWs made using a computer or music CD recorder due to disc characteristics, scratches, smudges, dirt, etc., or due to dust or condensation on the lens inside the unit.
- Storing CDs in the vehicle exposed to direct sunlight or high temperature may damage the CD-R/CD-RWs, and make them unplayable.
- CD-R/CD-RW exceeding 700 MB cannot be played.
- This unit may not be able to play certain discs made using a computer due to the application (writing software) setting used. (For details, consult the store where the application was purchased.)
- It is possible that certain text data, such as titles, recorded on a CD-R/CD-RW may not be displayed when musical data (CD-DA) is playing.
- The period from when a CD-RW is inserted to when it begins playing is longer than a normal CD or CD-R.
- Completely read the instruction manual and cautions for CD-R/CD-RWs.
- Do not use discs with cellophane tape adhering, partially peeled off labels, or adhesive material exuding from the edges of the CD label. Also, do not use discs with a commercially-available CD-R label affixed. The disc may not eject resulting in a malfunction.

▼Operating Tips for MP3

NOTE

Supply of this product only conveys a license for private, non-commercial use and does not convey a license nor imply any right to use this product in any commercial (i.e. revenue-generating) real time broadcasting (terrestrial, satellite, cable and/or any other media), broadcasting/streaming via the Internet, intranets and/or other networks or in other electronic content distribution systems, such as pay-audio or audio-on-demand applications. An independent license for such use is required. For details, please visit http://www.mp3licensing.com.

- This audio system handles MP3 files that have been recorded on CD-R/CD-RW/CD-ROMs. Discs that have been recorded using the following formats can be played:
  - ISO 9660 level 1
  - ISO 9660 level 2
  - Joliet extended format
  - Romeo extended format
- This unit handles MP3 files conforming to the MP3 format containing both header frames and data frames.
- This unit can play multi-session recorded discs that have up to 40 sessions.

Information Provided by: DEALER E-PROCESS

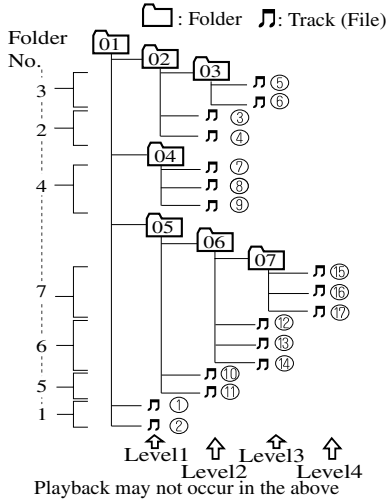
- This unit can play MP3s with sampling frequencies of 16/22.05/24/32/44.1/48 kHz.
- This unit can play MP3 files that have been recorded in bit rates of 8 kbps to 320 kbps. Nonetheless, to insure enjoyment of music with consistent sound quality, it is recommended to use discs that have been recorded at a bit rate of 128 kbps or more.
- If a disc has both music data (CD-DA) and MP3 files, playback of the two file types differs depending on how the disc was recorded.
- Packet written discs cannot be played on this unit.
- This unit does not play CDs recorded using MP3i (MP3 interactive), MP3 PRO and RIFF MP3 formats.

About folders and files

- The order of hierarchy for MP3 files and folders during playback or other functions is from shallow to deep. The arrangement and playing order of a recorded disc containing MP3 files is as follows:
  - File number
    A numerical file number is assigned to each file in a folder in the order of hierarchy from shallow to deep.
  - Folder number
    A numerical folder number is assigned to each folder in the order of hierarchy from shallow to deep.

NOTE

Folders and tracks (files) within the same hierarchy play in the order they were written to the disc depending on the write software.



Playback may not occur in the above hierarchy depending on the audio unit.

- The folder order is automatically assigned and this order cannot be optionally set.
- Any folder without an MP3 file will be ignored. (It will be skipped and the folder number will not be displayed.)
- MP3 files not conforming to the MP3 format containing both header frames and data frames will be skipped and not played.
- This unit will play MP3 files that have up to eight levels. However, the more levels a disc has, the longer it will take to initially start playing. It is recommended to record discs with two levels or less.
- A single disc with up to 512 files can be played and a single folder with up to 255 files can be played.
- When naming an MP3 file, be sure to add an MP3 file extension (.mp3) after the file name.

Information Provided by: DEALER E-PROCESS

- The maximum number of characters that can be used for file names is as follows. However, this unit will only display up to 32 characters, including the file extension (.mp3).

	Maximum number of characters in a file name (including a separator "." and the three letters of the file extension)
ISO9660 level 1	12*
ISO9660 level 2	31*
Joliet extended format	64
Romeo extended format	128

* English one-byte characters (capitalized only) and underbar "_" are available.

⚠ CAUTION

This unit can only play MP3 files that have an MP3 file extension (.mp3) attached. Do not attach an MP3 file extension to any other type file as it could cause noise to be emitted or a malfunction in the unit.

About ID3 Tag display

- This unit can only display ID3 Tag album, track and artist names that have been input using Ver.1.0/1.1/2.2/2.3 formats. Any other data that may have been input cannot be displayed.
- This unit can only display English (including numerals) one-byte characters. Use only English (including numerals) one-byte characters when inputting ID3 tags. Two-byte characters and some special symbols cannot be displayed.

Specialized glossary

MP3

Abbreviation for "MPEG Audio Layer 3". A technical standard for audio compression as decided by an ISO (International Organization for Standardization) MPEG working group. Use of MP3 allows for audio data to be compressed to approximately a tenth of the source data size.

ISO 9660

An international standard for logical formatting of CD-ROM files and folders. It is divided into three separate levels based on differences in file naming procedures, data configuration and other characteristics.

Multi-session

A session is the complete amount of data recorded from the beginning to the end of a single period of CD-ROM, CD-R/CD-RW data recording. Multi-session refers to the existence of data from two or more sessions on a single disc.

Sampling

Refers to the process of encoding analog audio data at regular intervals and converting it to digital data. The sampling rate refers to the number of times a sample is taken in one second and is expressed in Hz units. Increasing the sampling rate improves the sound quality but also increases the data size.

Information Provided by: DEALER E-PROCESS

Bit rate

Refers to the volume of data per second, expressed in bps (bits per second). Generally, the larger the number of the transfer bit rate when compressing an MP3 file, the more information regarding musical reproduction it carries, and therefore the better the sound quality.

Packet writing

A general term for the method, similar to that used for floppy discs or hard drives, of recording the required file in a single increment on a CD-R and similar.

ID3 Tag

ID3 tag is a method for storing information related to the music in an MP3 file. Information such as track, artist and album name can be stored. This content can be freely edited using ID3 editing function software.

VBR

Abbreviation for Variable Bit Rate. While CBR (Constant Bit Rate) is generally used, VBR varies the bit rate for audio compression according to compression conditions and this allows for compression with preference given to sound quality.

▼Operating Tips for WMA

WMA is short for Windows Media Audio and is the audio compression format used by Microsoft.
Audio data can be created and stored at a higher compression ratio than MP3.

* Microsoft and Windows Media are registered trademarks of Microsoft Corporation U.S. in the United States and other countries.

Playable WMA file specification

CD-R and CD-RW including WMA files can be played with this unit. Discs which conform to the following formats can be played.
Playable WMA files are as follows:

Item		Content
Specification		Windows Media Audio Version 7.0, 8.0, 9.0
Sampling frequency	Bit rate	32kHz. . . . . 32, 40, 48 kbps
		44.1kHz . . . . . 32, 48, 64, 80, 96, 128, 160, 192, 256, 320 kbps
		48kHz. . . . . 64, 96, 128, 160, 192 kbps
VBR (Variable Bit Rate)		Supported
Channel mode		Stereo/Monaural
WMA tag		Title, artist name, album name

⚠ CAUTION

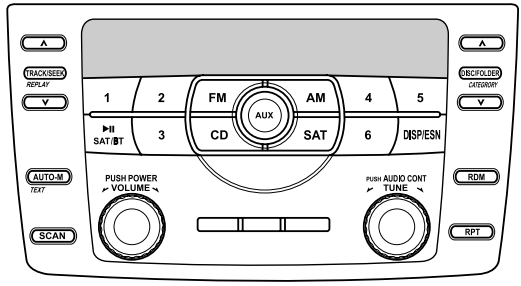
This unit plays files with the (.wma) file extension as a WMA file. Do not use the WMA file extension for files other than WMA files. It may cause noise or a malfunction.

- In a WMA file, the track name, artist name and album name are recorded with data called “WMA-Tag”, and the information can be displayed.
- WMA files which do not comply with the specific standard may not be played correctly or its file and folder name may not be displayed correctly.
- The file extension may not be provided depending on the computer operating system, version, software, or settings. In this case, add the file extension “.wma” to the end of the file name, and then write the disc.

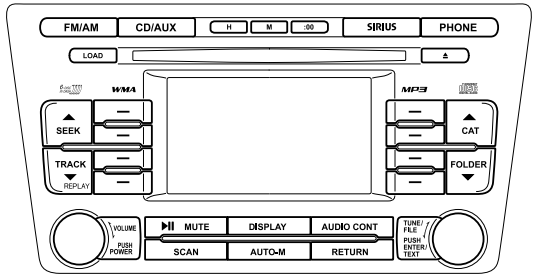
Information Provided by: DEALER E-PROCESS

Types of the Audio Set

Audio Set (Type A) ..... page 6-27



Audio Set (Type B) ..... page 6-45



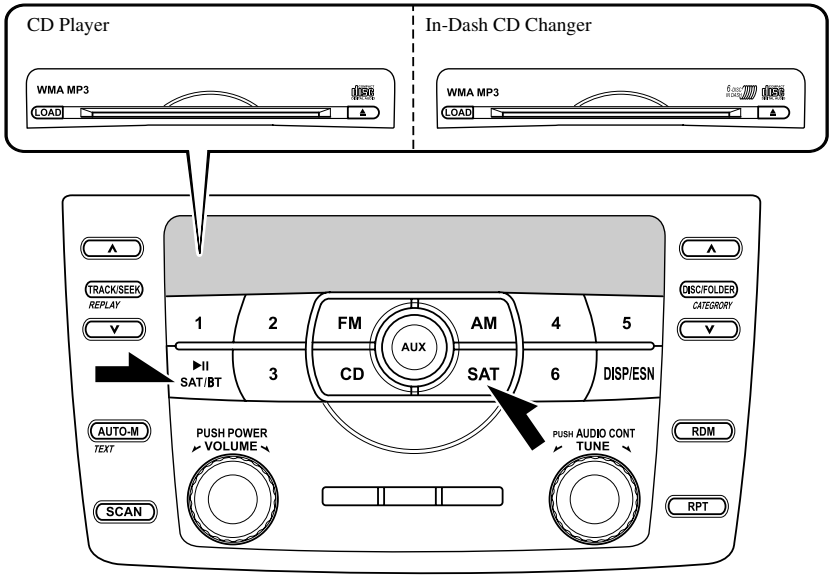
Information Provided by:
DEALER E-PROCESS

MEMO

Information Provided by: DEALER E-PROCESS

Audio Set (Type A)

Audio information is displayed on the information display.

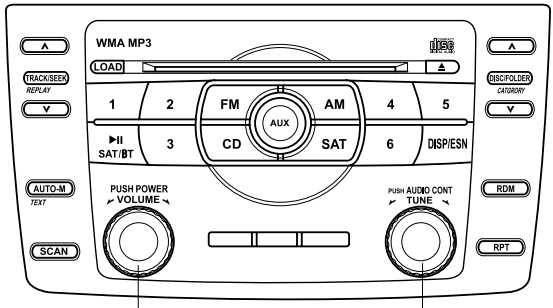


The SAT/BT, SAT buttons are only functional if the vehicle is equipped with the separately purchased SIRIUS digital satellite radio unit (U.S.A. and Canada).

Power/Volume/Sound Controls ..... page 6-28
Operating the Radio ..... page 6-32
Operating the Compact Disc (CD) Player ..... page 6-34
Operating the In-Dash CD Changer ..... page 6-38
Operating the Auxiliary jack ..... page 6-42
Error Indications ..... page 6-43

Information Provided by: DEALER E-PROCESS

▼Power/Volume/Sound Controls



Power/Volume dial Audio control dial

Power ON/OFF

Switch the ignition to ACC or ON.

Press the power/volume dial to turn the audio system on.
Press the power/volume dial again to turn the audio system off.

NOTE

To prevent the battery from being discharged, do not leave the audio system on for a long period of time when the engine is not running.

Volume adjustment

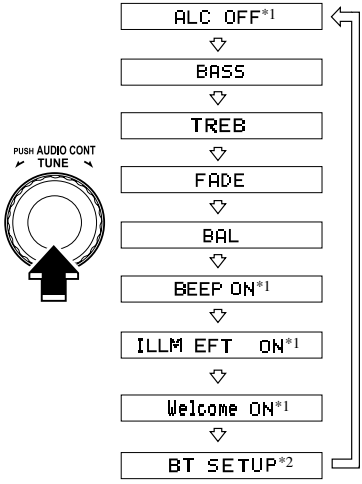
To adjust the volume, turn the power/volume dial.

Turn the power/volume dial to the right to increase volume, to the left to decrease it.

Audio sound adjustment

1. Press the audio control dial to select the function. The selected function will be indicated.

Information Provided by: DEALER E-PROCESS



*1 Depending on the mode selected, the indication changes.
*2 Depending on the model, this function, may not be available.

2. Turn the audio control dial to adjust the selected functions as follows:

Indication	Turn Left	Turn Right
ALC	Select mode	
BASS	Decrease bass	Increase bass
TREB	Decrease treble	Increase treble
FADE	Shift the sound to the front	Shift the sound to the rear
BAL	Shift the sound to the left	Shift the sound to the right
BEEP	off	on
ILLM EFT	off	on
Welcome	off	on
BT SETUP	Select mode	

NOTE

- *Depending on the type of audio unit, the order in which the functions appear differs.*
- *About 5 seconds after selecting any mode, the volume function will be automatically selected. To reset bass, treble, fade, and balance, press the audio control dial for 2 seconds. The unit will beep and "CLEAR" will be displayed.*

Automatic Level Control (ALC)

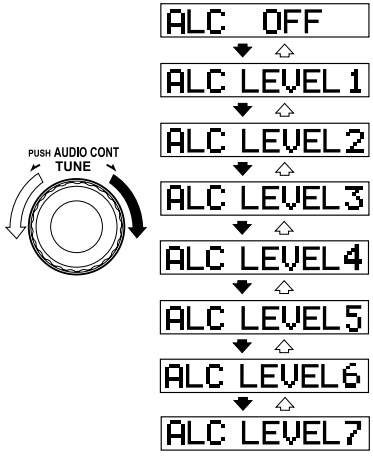
The automatic level control (ALC) is a feature that automatically adjusts audio volume and sound quality according to the vehicle speed.
The volume increases in accordance with the increase in vehicle speed, and decreases as vehicle speed decreases.

Information Provided by: DEALER E-PROCESS

Select the desired ALC mode.

Mode	Volume change
ALC OFF	No change
ALC LEVEL1	Minimum
ALC LEVEL2	▼ △
ALC LEVEL3	▼ △
ALC LEVEL4	Medium
ALC LEVEL5	▼ △
ALC LEVEL6	▼ △
ALC LEVEL7	Maximum

Turn the audio control dial to select ALC OFF or ALC LEVEL1—7 modes. The selected mode will be indicated.



BEEP setting

The beep-sound when operating the audio system can be set on or off.

ILLM EFT setting (Illumination setting during operation)

The audio system illumination during operation can be set on or off.

Welcome mode

Sound is heard when the ignition is switched ON.

BT SETUP mode*

Music and other audio such as voice data recorded on portable audio devices and mobile phones available on the market which are equipped with the Bluetooth transmission function can be listened to via wireless transmission over the vehicle's speakers. Using the BT SETUP mode, these devices can be programmed to the Bluetooth unit or changed. For details, refer to Bluetooth audio (page 6-78).

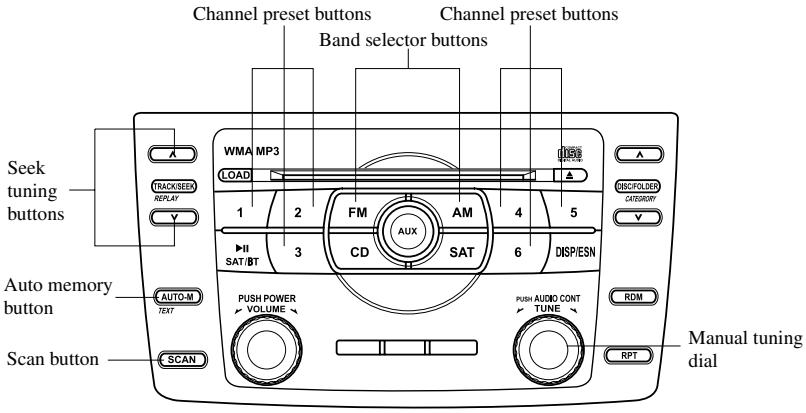
 *Some models.

Information Provided by: DEALER E-PROCESS

MEMO

Information Provided by:
DEALER E-PROCESS

▼Operating the Radio



Radio ON

Press a band selector button (**AM** , **FM**) to turn the radio on.

Band selection

Choose AM by pressing the AM button (**AM**) and FM by pressing the FM button (**FM**).

The selected mode will be indicated. If FM stereo is being received, “ST” will be displayed.

NOTE

If the FM broadcast signal becomes weak, reception automatically changes from STEREO to MONO for reduced noise, and the “ST” indicator will go out.

Tuning

The radio has the following tuning methods: Manual, Seek, Scan, Preset channel, and Auto memory tuning. The easiest way to tune stations is to set them on preset channels.

NOTE

If the power supply is interrupted (fuse blows or the battery is disconnected), the preset channels will be erased.

Manual tuning

Turning the manual tuning dial will change the frequency higher or lower.

Seek tuning

Pressing the seek tuning button (∧ , ∨) will cause the tuner to seek a higher or lower frequency automatically.

Information Provided by: DEALER E-PROCESS

NOTE
If you continue to press and hold the button, the frequency will continue changing without stopping.

Scan tuning

Press the scan button (SCAN) to automatically sample strong stations. Scanning stops at each station for about 5 seconds. To hold a station, press the scan button (SCAN) again during this interval.

Preset channel tuning

The 6 preset channels can be used to store 6 AM and 12 FM stations.

1. To set a channel first select AM, FM1, or FM2. Tune to the desired station.
2. Depress a channel preset button for about 2 seconds until a beep sound is heard. The preset channel number and station frequency will be displayed. The station is now held in the memory.
3. Repeat this operation for the other stations and bands you want to store. To tune one in the memory, select AM, FM1, or FM2 and then press its channel preset button. The station frequency and the channel number will be displayed.

NOTE
If the power supply is interrupted (fuse blows or the battery is disconnected), the preset channels will be erased.

Auto memory tuning

This is especially useful when driving in an area where the local stations are not known. Additional AM/FM stations can be stored without disturbing the previously set channels.

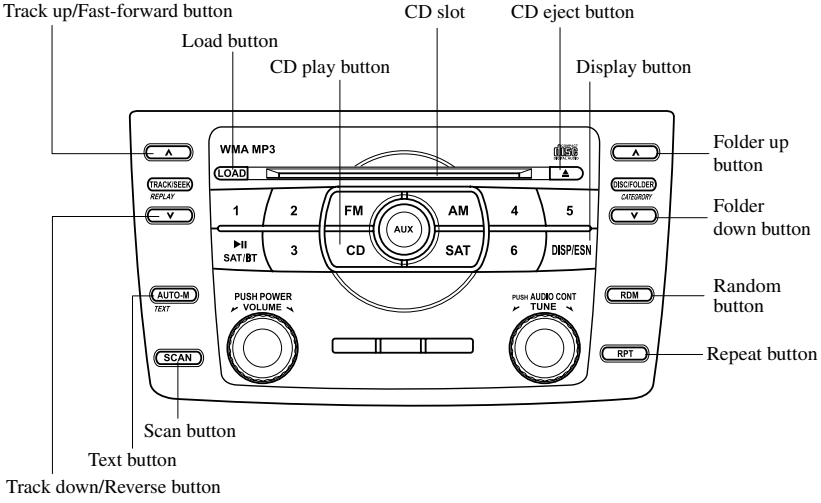
Press and hold the auto memory button (AUTO-M) for about 2 seconds until a beep sound is heard; the system will automatically scan and temporarily store up to 6 stations with the strongest frequencies in each selected band in that area.

After scanning is completed, the station with the strongest frequency will be tuned and its frequency displayed.
Press and release the auto memory button (AUTO-M) to recall stations from the auto-stored stations. One stored station will be selected each time; its frequency and channel number will be displayed.

NOTE
If no stations can be tuned after scanning operations, "A" will be displayed.

Information Provided by: DEALER E-PROCESS

▼Operating the Compact Disc (CD) Player



Type	Playable data
Music/MP3/WMA CD player	• Music data (CD-DA) • MP3/WMA file

NOTE

If a disc has both music data (CD-DA) and MP3/WMA files, playback of the two or three file types differs depending on how the disc was recorded.

Inserting the CD

Insert the CD into the slot, label-side up. The auto-loading mechanism will set the CD and begin play.

NOTE

There will be a short lapse before play begins while the player reads the digital signals on the CD.

Ejecting the CD

Press the CD eject button (⏏) to eject the CD.

Playback

Press the CD play button (CD) to start play when a CD is in the unit.
If a CD is not in the unit when the CD play button (CD) is pressed, “NO DISC” will flash on and off.

NOTE

When the load button (LOAD) is pressed, the CD will load and play even if the CD eject button (⏏) had been previously pressed.

Information Provided by: DEALER E-PROCESS

Fast-forward/Reverse

Press and hold the fast-forward button (∧) to advance through a track at high speed.
Press and hold the reverse button (∨) to reverse through a track at high speed.

Track search

Press the track up button (∧) once to skip forward to the beginning of the next track.
Press the track down button (∨) once to skip back to the beginning of the current track.

Folder search (during MP3/WMA CD playback)

To change to the previous folder, press the folder down button (∨), or press the folder up button (∧) to advance to the next folder.

Music scan

During music CD playback

This function scans the titles on a CD and plays 10 seconds of each song to aid you in finding a song you want to listen to.

During MP3/WMA CD playback

This function scans the titles in a folder currently being played and plays 10 seconds of each song to aid you in finding a song you want to listen to.

Press the scan button (SCAN) during playback to start the scan play operation (the track number will flash).
Press the scan button (SCAN) again to cancel scan playback.

NOTE
If the unit is left in scan, normal playback will resume where scan was selected.

Repeat playback

During music CD playback

1. Press the repeat button (RPT) during playback to play the current track repeatedly. “RPT” is displayed.
2. Press the button again to cancel the repeat playback.

During MP3/WMA CD playback

(Track repeat)

1. Press the repeat button (RPT) during playback to play the current track repeatedly. “TRACK RPT” is displayed.
2. To cancel the repeat playback, press the button again after 3 seconds.

(Folder repeat)

1. Press the repeat button (RPT) during playback, and then press the button again within 3 seconds to play the tracks in the current folder repeatedly. “FOLDER RPT” is displayed.
2. Press the button again to cancel the repeat playback.

Random playback

Tracks are randomly selected and played.

During music CD playback

1. Press the random button (RDM) during playback to play the tracks on the CD randomly. “RDM” is displayed.
2. Press the button again to cancel the random playback.

Information Provided by: DEALER E-PROCESS

During MP3/WMA CD playback

(Folder random)

1. Press the random button (RDM) during playback to play the tracks in the folder randomly. “FOLDER RDM” is displayed.
2. To cancel the random playback, press the button again after 3 seconds.

(CD random)

1. Press the random button (RDM) during playback, and then press the button again within 3 seconds to play the tracks on the CD randomly. “DISC RDM” is displayed.
2. Press the button again to cancel the random playback.

Switching the display

For files with a file name and other information that have been input, the display switches between display of the file name and other information each time the display button (DISP) is pressed during playback.

Music CD

Track number/Elapsed time

Track name

Album name

Artist name

MP3/WMA CD

File number/Elapsed time

Folder number/File number

File name

Folder name

Album name (ID3 Tag)

Song name (ID3 Tag)

Artist name (ID3 Tag)

NOTE

- *The information viewable in the display is only CD information (such as artist name, song title) which has been recorded to the CD.*
- *The system can only display one-byte alphabetic characters. If two-byte or other types of characters have been recorded to the CD, they may not display correctly.*

Display scroll

Only 8 characters (File name) or 12 characters (Except file name) can be displayed at one time. To display the rest of the characters of a long title, press the text button (TEXT). The display scrolls the next 12 characters. Press the text button (TEXT) again after the last 12 characters have been displayed to return to the beginning of the title.

Information Provided by: DEALER E-PROCESS

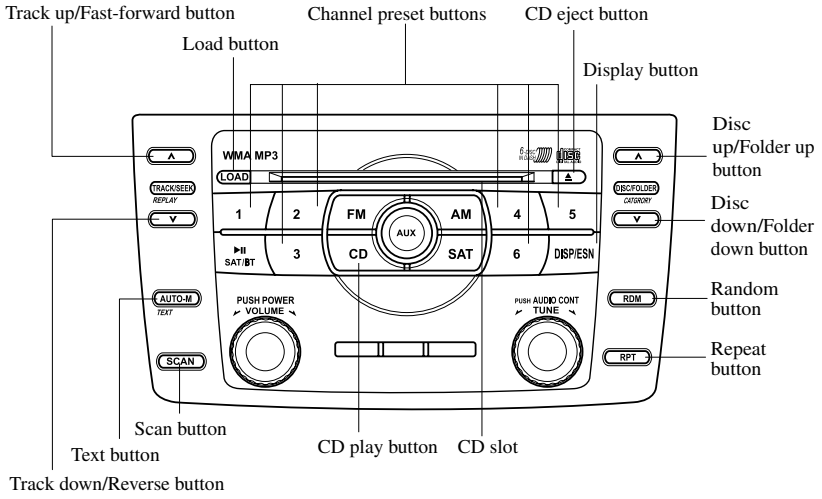
NOTE
The displayable number of characters is limited. If the number of characters, including the file extension (.mp3/.wma), exceeds 32 characters, it may not be fully displayed.

Message display

If “CHECK CD” is displayed, it means that there is some CD malfunction. Check the CD for damage, dirt, or smudges, and then properly reinsert. If the message appears again, take the unit to an Authorized Mazda Dealer for service.

Information Provided by: DEALER E-PROCESS

▼Operating the In-Dash CD Changer



Type	Playable data
Music/MP3/WMA CD player	• Music data (CD-DA) • MP3/WMA file

NOTE

If a disc has both music data (CD-DA) and MP3/WMA files, playback of the two or three file types differs depending on how the disc was recorded.

Inserting the CD

The CD must be label-side up when inserting. The auto-loading mechanism will set the CD and begin play.

NOTE

There will be a short lapse before play begins while the player reads the digital signals on the CD.

Normal insertion

1. Press the load button (LOAD).
2. When “IN” is displayed, insert the CD.

Inserting CDs into desired tray number

1. Press and hold the load button (LOAD) for about 2 seconds until a beep sound is heard.
2. Press the channel preset button for the desired tray number while “WAIT” is displayed.
3. When “IN” is displayed, insert the CD.

NOTE

The CD cannot be inserted to the desired tray number if the number is already occupied.

Information Provided by: DEALER E-PROCESS

Multiple insertion

1. Press and hold the load button (LOAD) for about 2 seconds until a beep sound is heard.
2. When “IN” is displayed, insert the CD.
3. When “IN” is displayed again, insert the next CD.

NOTE
The first-inserted CD will be played automatically when:
- *No other CD is inserted within 15 seconds after “IN” is displayed.*
- *The CD trays are full.*

Ejecting the CD

Normal ejection

1. Press the CD eject button (⏏). The disc number and “DISC OUT” will be displayed.
2. Pull out the CD.

NOTE
When the CD is ejected during play, the next CD will be played automatically.

Ejecting CDs from desired tray number

1. Press and hold the CD eject button (⏏) for about 2 seconds until a beep sound is heard.
   The “DISC OUT” display flashes.
2. Press the channel preset button for the desired CD number for less than 5 seconds after the beep sound is heard.
3. Pull out the CD.

Multiple ejection

1. Press and hold the CD eject button (⏏) for about 2 seconds until a beep sound is heard.
   The “DISC OUT” display flashes.
2. Press the CD eject button (⏏) again for less than 5 seconds after the beep sound is heard.

NOTE
If the button is not pressed and about 5 seconds have elapsed while “DISC OUT” is flashing, CDs are automatically ejected.

3. Pull out the CD, then the next CD will be ejected.

NOTE
- *CDs will be ejected starting with the one with the lowest number.*
- *All CDs in the tray will be ejected continuously.*
- *CDs can be ejected when the ignition is switched off. Press and hold the CD eject button (⏏) for about 2 seconds and all CDs will eject.*

Playback

Press the CD play button (CD) to start play when a CD is in the unit.
If a CD is not in the unit when the CD play button (CD) is pressed, “NO DISC” will flash on and off.

Fast-forward/Reverse

Press and hold the fast-forward button (∧) to advance through a track at high speed.
Press and hold the reverse button (∨) to reverse through a track at high speed.

Track search

Press the track up button (∧) once to skip forward to the beginning of the next track.

Information Provided by: DEALER E-PROCESS

Press the track down button (∨) once to skip back to the beginning of the current track.

Disc search

During music CD playback

To change the disc, press the DISC button (∧ or ∨) during playback.

During MP3/WMA CD playback

To change the disc, press the DISC button (∧ or ∨) for 1.5 seconds or more during playback.

Folder search (during MP3/WMA CD playback)

To change to the previous folder, press the folder down button (∨) for less than 1.5 seconds, or press the folder up button (∧) for less than 1.5 seconds to advance to the next folder.

Music scan

During music CD playback

This function scans the titles on a CD and plays 10 seconds of each song to aid you in finding a song you want to listen to.

During MP3/WMA CD playback

This function scans the titles in a folder currently being played and plays 10 seconds of each song to aid you in finding a song you want to listen to.

Press the scan button (SCAN) during playback to start the scan play operation (the track number will flash).
Press the scan button (SCAN) again to cancel scan playback.

NOTE
If the unit is left in scan, normal playback will resume where scan was selected.

Repeat playback

During music CD playback

1. Press the repeat button (RPT) during playback to play the current track repeatedly. “RPT” is displayed.
2. Press the button again to cancel the repeat playback.

During MP3/WMA CD playback

(Track repeat)

1. Press the repeat button (RPT) during playback to play the current track repeatedly. “TRACK RPT” is displayed.
2. To cancel the repeat playback, press the button again after 3 seconds.

(Folder repeat)

1. Press the repeat button (RPT) during playback, and then press the button again within 3 seconds to play the tracks in the current folder repeatedly. “FOLDER RPT” is displayed.
2. Press the button again to cancel the repeat playback.

Random playback

Tracks are randomly selected and played.

During music CD playback

1. Press the random button (RDM) during playback to play the tracks in the CD randomly. “RDM” is displayed.
2. Press the button again to cancel the random playback.

Information Provided by: DEALER E-PROCESS

During MP3/WMA CD playback

(Folder random)

1. Press the random button (RDM) during playback to play the tracks in the folder randomly. “FOLDER RDM” is displayed.
2. To cancel the random playback, press the button again after 3 seconds.

(CD random)

1. Press the random button (RDM) during playback, and then press the button again within 3 seconds to play the tracks on the CD randomly. “DISC RDM” is displayed.
2. Press the button again to cancel the random playback.

Switching the display

For files with a file name and other information that have been input, the display switches between display of the file name and other information each time the display button (DISP) is pressed during playback.

Music CD

Disc number/Track number/Elapsed time

Disc tray number

Track name

Album name

Artist name

MP3/WMA CD

Disc number/File number/Elapsed time

Disc tray number

Disc number/Folder number/File number

File name

Folder name

Album name (ID3 Tag)

Song name (ID3 Tag)

Artist name (ID3 Tag)

NOTE

- *The information viewable in the display is only CD information (such as artist name, song title) which has been recorded to the CD.*
- *The system can only display one-byte alphabetic characters. If two-byte or other types of characters have been recorded to the CD, they may not display correctly.*

Display scroll

Only 8 characters (File name) or 12 characters (Except file name) can be displayed at one time. To display the rest of the characters of a long title, press the text button (TEXT). The display scrolls the next 12 characters. Press the text button (TEXT) again after the last 12 characters have been displayed to return to the beginning of the title.

Information Provided by: DEALER E-PROCESS

NOTE
The displayable number of characters is limited. If the number of characters, including the file extension (.mp3/.wma), exceeds 32 characters, it may not be fully displayed.

Message display

If “CHECK CD” is displayed, it means that there is some CD malfunction. Check the CD for damage, dirt, or smudges, and then properly reinsert. If the message appears again, take the unit to an Authorized Mazda Dealer for service.

▼Operating the Auxiliary jack

You can connect portable audio units, such as an MP3 player or similar products on the market, to the auxiliary jack to listen to music or audio over the vehicle's speakers. Use a commercially-available, non-impedance (3.5ϕ) stereo mini plug cable. Refer to Auxiliary Input (page 6-74).

Information Provided by: DEALER E-PROCESS

▼Error Indications

If you see an error indication on the display, find the cause in the chart. If you cannot clear the error indication, take the vehicle to an Authorized Mazda Dealer.

Indication	Cause	Solution
CHECK CD	CD is inserted upside down	Insert the CD properly. If the error indication continues to display, consult an Authorized Mazda Dealer.
	CD is defective	Insert another CD properly. If the error indication continues to display, consult an Authorized Mazda Dealer.

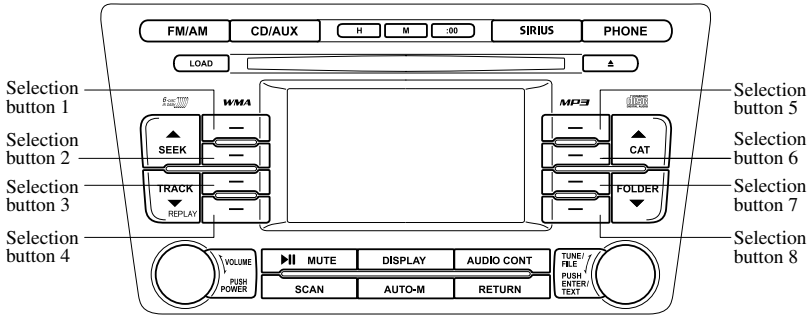
Information Provided by: DEALER E-PROCESS

MEMO

Information Provided by:
DEALER E-PROCESS

Audio Set (Type B)

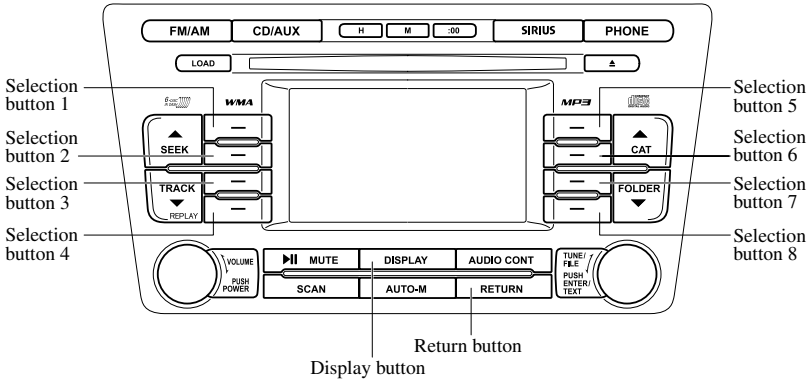
Functions and information available for the selected mode are displayed on the left and right of the audio unit screen. To select and operate a desired function, or select information, press the corresponding selection button 1—8.



Screen Adjustments and Other Settings ..... page 6-46
Power/Volume/Sound Controls ..... page 6-48
Operating the Radio ..... page 6-52
Operating the Satellite Radio ..... page 6-56
Operating the In-Dash CD Changer ..... page 6-66
Operating the Auxiliary Jack ..... page 6-69
Error Indications ..... page 6-70

Information Provided by: DEALER E-PROCESS

▼Screen Adjustments and Other Settings



Press the display button (**DISPLAY**) to display the tone adjustment screen.
Press the display button (**DISPLAY**) again or the return button (**RETURN**) to return to the previous screen.

Next page display*
Press selection button 1.

Previous page display*
Press selection button 5.

Initialization
Returns all the adjusted screen adjustment settings and language settings to their initial setting.

Press selection button 8.

Brightness adjustment

Increase brightness

Press selection button 6.

Decrease brightness

Press selection button 2.

Contrast adjustment

Higher contrast

Press selection button 7.

Lower contrast

Press selection button 3.

Tint adjustment*

Green tint enhancement

Press selection button 6.

Red tint enhancement

Press selection button 2.

Information Provided by: DEALER E-PROCESS

Color adjustment*

To deepen a color

Press selection button 7.

To fade color

Press selection button 3.

* Adjustment is available depending on the display.

NOTE

Continuous adjustment of the brightness, contrast, tint, and color can be done by long-pressing the selection button for the adjustment item.

Daytime/Night screen

When the headlights are on, daytime mode can also be selected (if a brighter screen is needed at night). This selection can only be done when the headlights are on.
The screen can be returned to the daytime screen while the headlights or running lights are on by pressing the dashboard illumination knob.

Language setting

The displayed language can be changed to one of the three available languages.

Press selection button 5 to display the language setting screen.

English display

Press selection button 2.

French display

Press selection button 3.

Spanish display

Press selection button 4.

NOTE

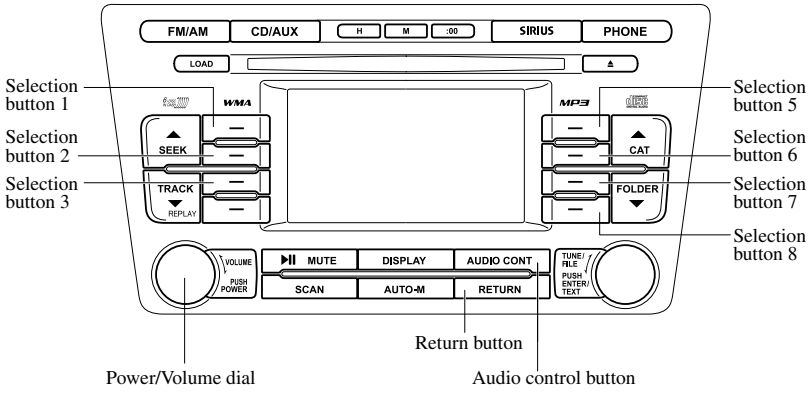
A language setting is unavailable for the satellite radio. English is constantly displayed.

Screen display off

Press selection button 4.
Press the display button (DISPLAY) or the return button (RETURN) to return to the previously selected mode's screen.

Information Provided by: DEALER E-PROCESS

▼Power/Volume/Sound Controls



Power ON/OFF

Switch the ignition to ACC or ON.

Press the power/volume dial to turn the audio system on.
Press the power/volume dial again to turn the audio system off.

NOTE

To prevent the battery from being discharged, do not leave the audio system on for a long period of time when the engine is not running.

Volume adjustment

To adjust the volume, turn the power/volume dial.

Turn the power/volume dial to the right to increase volume, to the left to decrease it.

Audio sound adjustment

When the audio control button (AUDIO CONT) is pressed, the audio settings screen is displayed.
Press the audio control button (AUDIO CONT) or the return button (RETURN) to return to the previous screen.

Next page display

Press selection button 1.

Previous page display

Press selection button 5.

Initialization

Returns all of the audio setting items to their initial setting.

Information Provided by: DEALER E-PROCESS

Press selection button 8.

Setting item	Setting value	
Bass	Down	Up
Treble	Down	Up
Fader	Rear	Front
Balance	Left	Right
Beep	Off	On
AudioPilot® 2	Off	On
Centerpoint®	Off	On
Welcome	Off	On

Bass (low pitch sound)

Low pitch enhancement

Press selection button 6.

Low pitch attenuation

Press selection button 2.

Treble (treble sound)

Treble enhancement

Press selection button 7.

Treble attenuation

Press selection button 3.

Fader (front/back volume balance)

Rear speaker volume reduction

Press selection button 6.

Front speaker volume reduction

Press selection button 2.

Balance (left/right volume balance)

Left side volume reduction

Press selection button 7.

Right side volume reduction

Press selection button 3.

NOTE

Continuous adjustment of the bass, treble, fader, and balance can be done by long-pressing the selection button for each adjustment item.

Beep setting

The beep-sound when operating the audio system can be set on or off.

Beep on

Press selection button 6.

Beep off

Press selection button 2.

***AudioPilot® 2**

AudioPilot® 2 automatically adjusts audio volume and sound quality in accordance with the level of noise entering the vehicle interior while driving. When AudioPilot® 2 is turned on, the system automatically calculates the conditions for optimum hearing of sound which may be difficult to hear depending on exterior noise. AudioPilot® 2 can be set on or off.

AudioPilot® 2 on

Press selection button 7.

AudioPilot® 2 off

Press selection button 3.

* AudioPilot® 2 is a registered trademark of Bose Corporation.

***Centerpoint®**

Centerpoint® offers you the experience of 5.1-channel surround sound in your vehicle even with your conventional 2-channel stereo CDs.
Centerpoint® can be set on or off.

Centerpoint® on

Press selection button 6.

Information Provided by: DEALER E-PROCESS

Centerpoint® off

Press selection button 2.

NOTE

- *Centerpoint® operates optimally with a 2-channel stereo CD. MP3 audio files can be played, however, MP3 audio files encoded with high compression may result in poor sound quality.*
- *Centerpoint® is available for 2-channel stereo audio except for AM radio/FM radio/SIRIUS digital satellite radio/AUX/BT audio.*

* Centerpoint® is a registered trademark of Bose Corporation.

Welcome mode

Sound is heard when the ignition is switched on.
The Welcome mode can be set on or off.

Welcome on

Press selection button 7.

Welcome off

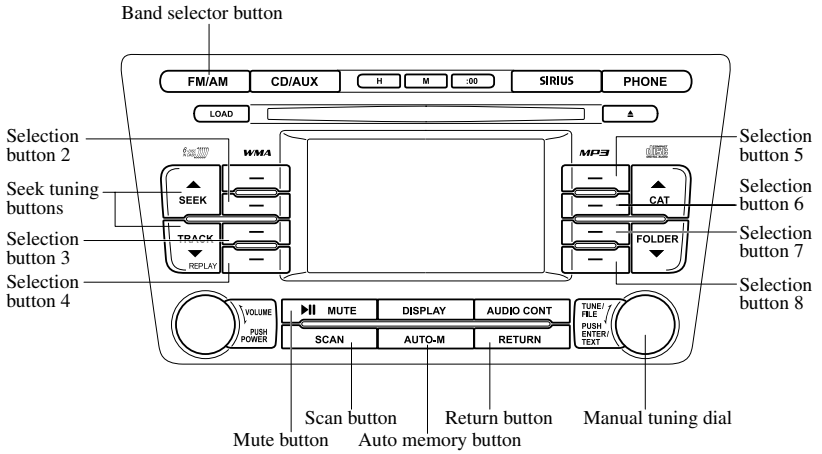
Press selection button 3.

Information Provided by: DEALER E-PROCESS

MEMO

Information Provided by: DEALER E-PROCESS

▼Operating the Radio



Radio ON

Press a band selector button (**FM/AM**) to turn the radio on.

Band selection

Successively pressing the band selector button (**FM/AM**) switches the bands as follows: FM1 → FM2 → AM.

The selected mode will be indicated. If FM stereo is being received, “ST” will be displayed.

NOTE

If the FM broadcast signal becomes weak, reception automatically changes from STEREO to MONO for reduced noise, and the “ST” indicator will no longer display.

Tuning

The radio has the following tuning methods: Manual, Seek, Scan, Preset channel, and Auto memory tuning. The easiest way to tune stations is to set them on preset channels.

NOTE

If the power supply is interrupted (fuse blows or the battery is disconnected), the preset channels will be erased.

Manual tuning

Turning the manual tuning dial will change the frequency higher or lower.

Seek tuning

Pressing the seek tuning button (▲ , ▼) will cause the tuner to seek a higher or lower frequency automatically.

Information Provided by: DEALER E-PROCESS

NOTE
If you continue to press and hold the seek tuning button (▲ , ▼), the frequency will continue changing without stopping.

Scan tuning

Press the scan button (**SCAN**) to automatically sample stations with the strongest frequencies. Scanning stops at each station for about five seconds. To hold a station, press the scan button (**SCAN**) again during this interval.

Preset channel tuning

The six preset channels can be used to store six AM and twelve FM stations.

1. To set a channel, first select AM, FM1, or FM2. Tune to the desired station.
2. Press and hold selection button 2, 3, 4, 6, 7, or 8. The station frequency will be displayed. The station is now held in the memory.
3. Repeat this operation for the other stations and bands you want to store. To tune into one stored in the memory, select AM, FM1, or FM2 and then press its selection button. The station frequency will be displayed.

NOTE
If the power supply is interrupted (fuse blows or the battery is disconnected), the preset channels will be erased.

Auto memory tuning

This is especially useful when driving in an area where the local stations are unknown. Additional AM/FM stations can be stored without disturbing the previously set channels.

Press and hold the auto memory button (**AUTO-M**). The system will automatically scan and temporarily store up to six stations with the strongest frequencies in each selected band in that area.

After scanning is completed, the radio tunes into the station with the strongest frequency, and its frequency is displayed. Press the auto memory button (**AUTO-M**) to recall stations from the auto-stored stations. One stored station will be selected each time, and its frequency will be displayed.

NOTE
- *If any of the following operations is performed, auto-memory mode is cleared and the normal display appears.*
  - *Band selector button (**FM/AM**) is pressed*
  - *Manual tuning dial is turned*
  - *Seek tuning button (▲ , ▼) is pressed*
  - *Return button (**RETURN**) is pressed*
- *If the radio is unable to tune into any station after the scanning operation is completed, "No Channel" will be displayed.*

Mute

Press the mute button (**MUTE**) once to mute the audio. Press it again to resume audio output.

Radio Data System (RDS)

Radio text information display

A maximum of 64 characters of radio text information sent from a broadcasting station is displayed in the audio display.

Press selection button 5.

Information Provided by: DEALER E-PROCESS

NOTE

If any of the following operations is performed, the radio text information display is cleared and the normal display appears.

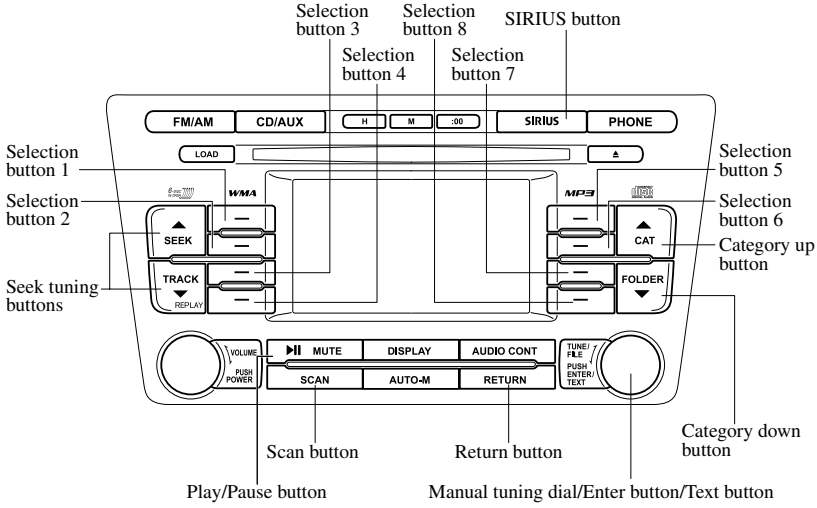
- *Return button (**RETURN**) is pressed*
- *Band selector button (**FM/AM**) is pressed*
- *Manual tuning dial is turned*
- *Seek tuning button (▲ , ▼) is pressed*

Information Provided by: DEALER E-PROCESS

MEMO

Information Provided by: DEALER E-PROCESS

▼Operating the Satellite Radio*



 *Some models.

Information Provided by: DEALER E-PROCESS

NOTE

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- *Increase the separation between the equipment and tuner.*
- *Connect the equipment into an outlet on a circuit different from that to which the tuner is connected.*
- *Consult the dealer or an experienced radio/ TV technician for help.*

What is satellite radio?

With over 130 channels, SIRIUS Satellite Radio brings you more of what you love. Get 69 channels of 100 % commercial-free music, plus all your favorite sports, news, talk and entertainment. Everything worth listening to is now on SIRIUS.
100 % Commercial-free Music—With music from every genre, artist-dedicated channels, live performances and more, SIRIUS is the home of 100 % commercial-free music.
Live Sports Play-by-Play & Expert Talk—Hear every NFL game, every NASCAR® race and college sports coverage from over 150 schools. Plus 24/7 sports talk with channels like SIRIUS NFL Radio, SIRIUS NASCAR Radio and more.
Exclusive Entertainment and Talk—The biggest names, compelling talk, hilarious comedy. Hear Howard Stern, Martha Stewart, Jamie Foxx, Blue Collar Comedy, Playboy Radio, political talk and more.
World-class News—Stay informed with FOX, CNN, CNBC, NPR®, BBC and more.
Plus local traffic and weather.
Family & Kids—Entertain the entire family with Radio Disney, Kids Place Live, Laugh USA and more.

Sign up for SIRIUS Radio today! For more information, visit www.sirius.com. Satellite radio can be subscribed to and received in the United States (Except Alaska and Hawaii) and Canada.

How to Activate Satellite Radio

You must call SIRIUS to activate your service. Activation is free and takes only a few minutes.

Information Provided by: DEALER E-PROCESS

SIRIUS service uses an ID code to identify your radio. This code is needed to activate SIRIUS service, and report any problems.

To activate you SIRIUS radio tuner, call a SIRIUS customer service specialist at 1-888-539-7474 or you can visit SIRIUS online at www.sirius.com.

Please have the following information ready:
- SIRIUS ID (12-digit electronic serial no., or ESN*)
- Valid credit card information (may not be required at initial sign-up)

Be sure you are parked outside with a clear view of open sky, you will be instructed to turn on your radio (in SIRIUS mode and tuned to channel 184). Activation typically takes only 2—5 minutes.

* ESN: Electronic Serial Number

SIRIUS operation

All operations of the satellite radio are conducted by means of the audio unit.

SIRIUS radio mode selection

When the SIRIUS button (**SIRIUS**) is pressed during ACC ON, it will play the last SIRIUS channel in use before the mode was switched over to another mode or the power was turned off.

When the SIRIUS button (**SIRIUS**) is pressed in a mode other than the SIRIUS mode, the last channel in use will be received. Every time the SIRIUS button (**SIRIUS**) is pressed, the bank changes in the order shown below.

NOTE

SIRIUS1, SIRIUS2 and SIRIUS3: six stations can be stored in each bank for convenient access to your favorite stations.

Operation in the initial state

It may take some time to start up the equipment when it is in the initial state, when there is a change in the user's subscription condition, or when the SIRIUS channel map is changed.

Information Provided by: DEALER E-PROCESS

"Updating channels XXX% complete" is displayed when the SIRIUS channel map is changed. If the "Updating channels XXX% complete" display is not available, "Updating channels" is displayed. If the unit is initialized or the user contract content is changed, "Updating channels. Subscription Updated." is displayed. Updating could take as long as a few minutes depending on the geographical area. When the unit is in an initialized state, channel 184 is displayed after the display indicates "Updating channels XXX% complete". If the SIRIUS channel map or the user contract content is changed, the channel prior to the change is displayed after "Updating channels XXX% complete" is displayed. After the initialization display, it may take as long as ten seconds or more to receive channel 184.

NOTE
Do not perform the following operation while "Updating" is displayed. Otherwise, the updating procedure will be canceled.
- *Turning off the audio power*
- *Switching to other modes*
- *Switching the ignition off*

When the SIRIUS mode is switched to another mode, or when the power is turned off, the present channel which is being received is stored as the last channel.

Channel selection

Turning the manual tuning dial allows you to select the desired receiving channel.
Channel up
Turn the manual tuning dial clockwise.
Channel down
Turn the manual tuning dial counterclockwise.

Unsubscribed channel

When a selected station has not been subscribed to, the display indicates the following:
"Call 888-539-7474"
"To Subscribe"

NOTE
When the subscription contract is canceled, all of the channels including channel 184 appear as unsubscribed.

Invalid channel

When a selected channel is not broadcasting, "Invalid" is displayed.

NOTE
If the last channel selected has become unavailable because of a channel update the above indication is displayed until any button is pressed.

Preset channel programming

1. Turn the manual tuning dial and select the desired channel.
2. Press and hold selection button 2, 3, 4, 6, 7, or 8.

NOTE
Six stations can be stored in each bank, SIRIUS1, SIRIUS2 and SIRIUS3 for convenient access to your favorite stations.

Preset channel call-up

Press selection button 2, 3, 4, 6, 7, or 8.

NOTE
In the initial setting, all channels are preset to 184.

Category change

Press the category button (▲ , ▼) and select the desired category.

Form No.8CD1-EA-11C
Information Provided by: DEALER E-PROCESS

Category up
Press the category up button (▲).
Category down
Press the category down button (▼).
Every time the category up button (▲) is pressed, the category is changed over in the order shown below.
At this time, the lowest (smallest-number) channel within the category indicated is received.
When the highest (or lowest) category is reached, the category is changed over in the order shown below.
Highest category → Lowest category → XXX category

Category set (Category lock)

Press selection button 1 to lock the category of the channel being received. Press selection button 1 again to clear the lock.

NOTE
A category can be set only when a channel which belongs to a category is being received.

Channel selection within a category

To select a radio station in a set category, turn the manual tuning dial.

NOTE
- *The channel number needs to be indicated in the display to use the manual tuning dial for this function.*
- *To select a radio station other than one in a set category, turn the manual tuning dial.*

Scan tuning

Press the scan button (**SCAN**) to automatically sample stations. Scanning stops at each station for about five seconds. To hold a station, press the scan button (**SCAN**) again during this interval.

NOTE
- *Unsubscribed channels, invalid channels, parental lock channels and channel 0 are not subject to the scan, therefore these channels will skip automatically.*
- *If a category is set, scan channels in the category. If a category is not set, scan all channels.*

Channel number, channel name, category name, artist name, song titles and information display

The information regarding the channel which is currently being received is displayed.

NOTE
- *If the entire title cannot be displayed, "..." is added at the end to the part of the title which can be displayed.*
- *If a channel other than a parental-locked channel is received, channel name, category name, artist name, song title, and information are displayed.*

(Channel number display)

The channel number for the channel currently being received is displayed.

(Channel name display)

- The channel name for the channel currently being received is displayed.
- A channel name may have a full title and an abbreviated title. In this case, the full title is displayed. If the channel only has an abbreviated title, it is displayed.
- If there is no channel name, "No Ch Name" is displayed.

(Category name display)

- The category name for the channel currently being received is displayed.

Information Provided by: DEALER E-PROCESS

- A category name may have a full title and an abbreviated title. In this case, the full title is displayed. If the category only has an abbreviated title, it is displayed.
- If there is no category name, “No Category” is displayed.

(Artist name display)

- The artist name for the channel currently being received is displayed.
- If there is no artist name, “No Artist” is displayed.

(Song title display)

- The song title for the channel currently being received is displayed.
- If there is no song title, “No Song” is displayed.

(Information display)

- The information for the channel currently being received is displayed.
- If there is no information, “No Information” is displayed.

Display scroll

If each title cannot be fully displayed at one time, press the text button (TEXT) to display the rest of the characters.
If the last character of the title is displayed, press the text button (TEXT) to return the beginning of the title.

Instant replay

This function allows you to rewind and replay the program that you were previously or are currently listening to.
Press the Play/Pause button (▶II).
When the seek tuning button (▼) is pressed, playback starts from the beginning of the current program.
When the seek tuning button (▼) is pressed twice, playback starts from the beginning of the previous program.
Press and hold the seek tuning button (▼) to reverse the program while the button is being pressed.
When the seek tuning button (▲) is pressed, playback starts from the beginning of the next program.
When the seek tuning button (▲) is pressed while the last program is being played, the instant replay mode is canceled.
Press and hold the seek tuning button (▲) to fast-forward the program while the button is being pressed. When pressing and holding the button until the end of the program, the instant replay mode is canceled.
When the Play/Pause button (▶II) is pressed again, playback is paused, or playback starts if it has been paused.

Instant replay (PAUSE)

If the Play/Pause button (▶II) is pressed while the instant replay mode is off, instant replay mode is turned on in a paused condition (PAUSE). Press the Play/Pause button (▶II) again to resume playback from the point at which it was paused.

Displaying the SIRIUS ID (ESN)

Method 1

Turn the manual tuning dial and select channel 0 to display the twelve-digit Electronic Serial Number (ESN) for the SIRIUS tuner.

Method 2

1. Press selection button 5 to display the settings screen.
2. Press selection button 5 again to display the twelve-digit Electronic Serial Number (ESN) for the SIRIUS tuner.

Information Provided by: DEALER E-PROCESS

(If the SIRIUS ID (ESN) for the tuner does not display)

If “ESN Fail” is displayed, contact an Authorized Mazda Dealer.

Parental lock

Parental lock, parental unlock, parental lock ID change, and parental lock ID reset can be set.

NOTE

- *Press the return button (*RETURN *) during all the settings to return to the previous display.*
- *Turn the manual tuning dial during the ID code or master code input to select “CLR”, and then press the enter button (*ENTER *) to delete an input number.*
- *If there is no input for ten seconds during the ID code or master code input, the system returns to the settings screen.*
- *If only a four-digit ID code or master code is input, “OK” can be selected.*
- *If the registered ID code has been forgotten, reset the code in “Parental-lock ID reset” to [0000].*

Parental lock

If a channel is locked, the channel is muted.

(Channel locking)

1. Turn the manual tuning dial to select the desired channel.

(Registered ID code input preparation)

2. Press selection button 5 to display the settings screen.
3. Press selection button 1 to display the parental lock settings screen.
4. “Enter Pin” and “- - - -” are displayed, and input of the registered ID code is possible.

(Registered ID code input)

5. Turn the manual tuning dial to select a number and press the enter button (ENTER) to input the number.

(Registered ID code input confirmation)

6. After inputting the four digits, turn the manual tuning dial and select “OK”, and then press the enter button (ENTER) to confirm the four digits.
7. If the four digits match the registered ID code, “Parental lock” appears and mute is turned on.
   If they do not match the registered ID code, “Error” appears and then the display returns to “- - - -”.

Parental unlock

Channels locked using the parental lock function can be unlocked.

(Channel unlocking)

1. Select a channel to be unlocked by turning the manual tuning dial.

(Registered ID code input preparation)

2. Press selection button 5 to display the settings screen.
3. Press selection button 2 to display the parental unlock screen.
4. “Enter Pin” and “- - - -” are displayed, and input of the registered ID code is possible.

(Registered ID code input)

5. Turn the manual tuning dial to select a number and press the enter button (ENTER) to input the number.

Information Provided by: DEALER E-PROCESS

(Registered ID code input confirmation)

6. After inputting the four digits, turn the manual tuning dial and select “OK”, and then press the enter button (**ENTER**) to confirm the four digits.
7. If the four digits match the registered ID code, “Parental unlock” appears and mute is canceled.
   If they do not match the registered ID code, “Error” appears and then the display returns to “- - - -”.

Parental-lock ID change

When changing the ID code, the new ID code is input after the previous one is input first.

(Registered ID code input preparation)

1. Press selection button 5 to display the settings screen.
2. Press selection button 3 to display the ID code change screen.
3. “Enter Pin” and “- - - -” are displayed, and input of the registered ID code is possible.

(Registered ID code input)

4. Turn the manual tuning dial to select a number and press the enter button (**ENTER**) to input the number.

(Registered ID code input confirmation)

5. After inputting the four digits, turn the manual tuning dial and select “OK”, and then press the enter button (**ENTER**) to confirm the four digits.
6. If the four digits match the registered ID code, “Enter Pin” and “- - - -” are displayed.
   If they do not match the registered ID code, “Error” appears and then the display returns to “- - - -”.

(New ID code input)

7. Turn the manual tuning dial to select a number and press the enter button (**ENTER**) to input the number.

(New ID code input confirmation)

8. After inputting the four digits, turn the manual tuning dial and select “OK”, and then press the enter button (**ENTER**) to confirm the four digits.
9. “Pin Changed” appears to indicate that the new ID code input has been completed.
10. The display returns to its normal display.

NOTE

Channels locked before changing the ID code remain after changing the ID code. To unlock a channel, input the changed ID code.

Parental-lock ID reset

If the registered ID code has been forgotten, reset the ID code to the default [0000] code.

(Master code input preparation)

1. Press selection button 5 to display the settings screen.
2. Press selection button 4 to display the ID code initial screen.
3. “Enter Pin” and “- - - -” are displayed, and input of the registered ID code is possible.

Form No.8CD1-EA-11C
Information Provided by: DEALER E-PROCESS

(Master code input)

4. Turn the manual tuning dial to select a number and then press the enter button (**ENTER**) to input the number.

NOTE

Master code:
The Master Code is used to initialize or re-initialize the ID code in the event that the code is not set to [0000] and/or the personalized ID code is not known. The initialization process resets the ID code to [0000]. The master code can potentially defeat the intent of the security of the parental lock if it is located by persons not authorized by the owner to access certain channels.

SIRIUS Satellite Radio Master Code: [0913]

(Master code input confirmation)

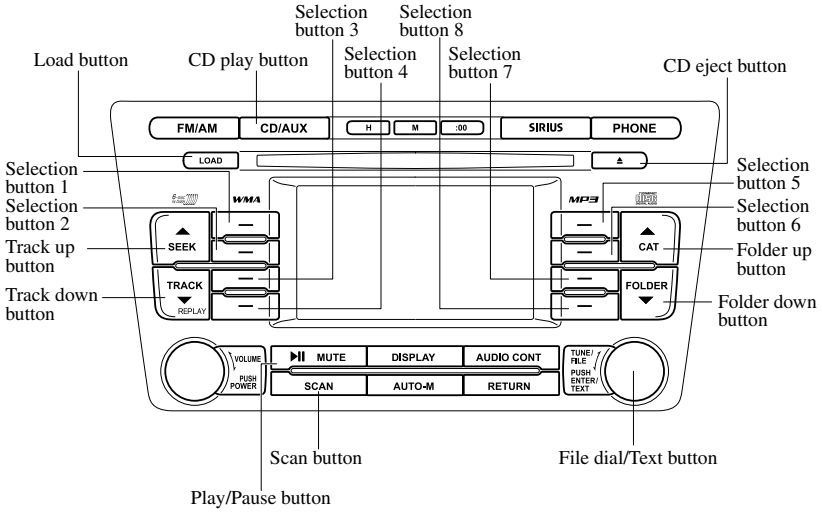
5. After inputting the four digits, turn the manual tuning dial and select “OK”, and then press the enter button (**ENTER**) to confirm the four digits.
6. If the four digits match the master code, “Pin Cleared” appears.
   If they do not match the master code, “Error” appears and the display returns to “- - - -”.
7. The ID code returns to the default [0000] code.

Information Provided by: DEALER E-PROCESS

MEMO

Information Provided by: DEALER E-PROCESS

▼Operating the In-Dash CD Changer



Type	Playable data
Music/MP3/WMA CD player	• Music data (CD-DA) • MP3/WMA file

NOTE

If a disc has both music data (CD-DA) and MP3/WMA files, playback of the two or three file types differs depending on how the disc was recorded.

Inserting the CD

The CD must be label-side up when inserting. The auto-loading mechanism will set the CD and begin play.

NOTE

The CD will begin playback automatically after insertion. A CD cannot be inserted while the display reads "Please Wait".
There will be a short lapse before play begins while the player reads the digital signals on the CD.

Normal CD insertion

1. Press the load button (LOAD).
2. When "Please Insert a Disc" is displayed, insert the CD.

Inserting CDs into desired tray number

1. Press and hold the load button (LOAD).
2. Press the selection button for the desired tray number while "Please Wait" is displayed.
3. When "Please Insert a Disc" is displayed, insert the CD.

NOTE

The CD cannot be inserted to the desired tray number if the number is already occupied.

Information Provided by: DEALER E-PROCESS

Multiple CD insertion

1. Press and hold the load button (LOAD).
2. Press the load button (LOAD) again. When “Please Insert a Disc” is displayed, insert the CD.
3. When “Please Insert a Disc” is displayed again, insert the next CD.

NOTE

The first-inserted CD will be played automatically when:

- *No other CD is inserted within 15 seconds after “Please Insert a Disc” is displayed.*
- *The CD trays are full.*

Ejecting CDs

Normal ejection

1. Press the CD eject button (⏏). “Disc Ejecting” will be displayed.
2. Remove the CD.

NOTE

When the CD is ejected during play, the next CD will be played automatically.

Ejecting CDs from desired tray number

1. Press and hold the CD eject button (⏏)
2. Press the selection button for the desired tray number while “Disc Ejecting” is displayed.
3. Remove the CD.

Multiple CD ejection

1. Press and hold the CD eject button (⏏).
2. Press the CD eject button (⏏) again.

NOTE

If the button is not pressed and about five seconds have elapsed while “Disc Ejecting” is displaying, CDs are automatically ejected.

3. Remove the CD, then the next CD will be ejected.

NOTE

- *CDs will be ejected starting from the one in the tray with the lowest number.*
- *All CDs in the trays will be ejected continuously.*
- *CDs can be ejected when the ignition is switched off. Press and hold the CD eject button (⏏) to eject all CDs.*

Playback

Press the CD play button (CD/AUX) to start play when a CD is in the unit.
If the CD play button (CD/AUX) is pressed when a CD is not inserted and an external device is not connected, “No Disc” is displayed.
All of the following information is displayed during playback.

Music CD

The track number, elapsed time, album name, artist name, and song name are displayed.

MP3/WMA CD

The folder number, track number, elapsed time, folder name, album name, artist name, and song name are displayed.

Information Provided by: DEALER E-PROCESS

NOTE
If the entire title cannot be displayed, "..." is added at the end to the part of the title which can be displayed.
If title information is not available, "NO TITLE" is displayed.
If there are any undisplayable characters in the title, "- - - - - - - -" is displayed.
Some CDs cannot display information.

Pause

Press the Play/Pause button (▶II). Press the button again to resume playback.

Fast-forward/Reverse

Fast-forward

Press and hold the track up button (▲).

Reverse

Press and hold the track down button (▼).

Track search

Track up

Press the track up button (▲) or turn the file dial clockwise.

Track down

Press the track down button (▼) or turn the file dial counterclockwise.

Disc search

Press the selection button for the desired tray number.

Folder search (during MP3/WMA CD playback)

Folder up

Press the folder up button (▲).

Folder down

Press the folder down button (▼).

NOTE
Press and hold the (▲) or (▼) button to continuously move up or down through the folders.

Music scan

During music CD playback

This function scans the titles on a CD and plays ten seconds of each song to aid you in finding a song you want to listen to.

During MP3/WMA CD playback

This function scans the titles in a folder currently being played and plays ten seconds of each song to aid you in finding a song you want to listen to.

Press the scan button (SCAN) during playback to start the scan play operation. Press the scan button (SCAN) again to cancel scan playback.

NOTE
If the unit is left in scan, normal playback will resume where scan was selected.

Repeat playback

During music CD playback

1. Press selection button 1 during playback to play the current track repeatedly. "Repeat Track" is displayed.
2. Press selection button 1 again to cancel the repeat playback.

During MP3/WMA CD playback

(Track repeat)

1. Press selection button 1 during playback to play the current track repeatedly. "Repeat Track" is displayed.

Information Provided by: DEALER E-PROCESS

2. Press selection button 1 twice to cancel the repeat playback.

(Folder repeat)

1. Press selection button 1 twice during playback to play the tracks in the current folder repeatedly. “Repeat Folder” is displayed.
2. Press selection button 1 again to cancel the repeat playback.

Random playback

Tracks are randomly selected and played.

During music CD playback

1. Press selection button 5 during playback to play the tracks in the CD randomly. “Random Disc” is displayed.
2. Press selection button 5 again to cancel the random playback.

During MP3/WMA CD playback

(Folder random)

1. Press selection button 5 during playback to play the tracks in the folder randomly. “Random Folder” is displayed.
2. Press selection button 5 twice to cancel the random playback.

(All random)

1. Press selection button 5 twice during playback to play the tracks on the CD randomly. “Random All” is displayed.
2. Press selection button 5 again to cancel the random playback.

Display scroll

If each title cannot be fully displayed at one time, press the text button (**TEXT**) to display the rest of the characters.

If the last character of the title is displayed, press the text button (**TEXT**) to return the beginning of the title.

Message display

If “Check Disc” is displayed, it means that there is a CD malfunction. Check the CD for damage, dirt, or smudges, and then properly reinsert. If the message appears again, take the unit to an Authorized Mazda Dealer for service.

▼Operating the Auxiliary Jack

You can connect portable audio units, such as an MP3 player or similar products on the market, to the auxiliary jack to listen to music or audio over the vehicle's speakers. Use a commercially-available, non-impedance (3.5ϕ) stereo mini plug cable. Refer to Auxiliary Input (page 6-74).

Information Provided by: DEALER E-PROCESS

▼Error Indications

If you see an error indication on the display, find the cause in the chart. If you cannot clear the error indication, take the vehicle to an Authorized Mazda Dealer.

Indication	Cause	Solution
Acquiring Signal	Depending on the surrounding conditions (such as large trees, buildings, or tunnels) and special weather conditions, SIRIUS radio reception may be diminished or temporarily interrupted.	Improve reception by moving away from possible obstructions. If the error indication continues to display, consult an Authorized Mazda Dealer.
Antenna Fail	Satellite radio antenna malfunction	Check the satellite radio antenna, antenna cable and DLP antenna connector. If the error indication continues to display, consult an Authorized Mazda Dealer.
Check Disc	CD is inserted upside down	Insert the CD properly. If the error indication continues to display, consult an Authorized Mazda Dealer.
	CD is defective	Insert another CD properly. If the error indication continues to display, consult an Authorized Mazda Dealer.

NOTE

If a broken DLP unit is replaced with a new unit, cancel the license for the broken unit and make sure to carry out new registration for the replaced unit. If the license for the broken unit is not canceled, you will be charged a reception fee for both units.*

* DLP: Down Link Processor (SATELLITE RADIO Module)

Information Provided by: DEALER E-PROCESS

Audio Control Switch Operation

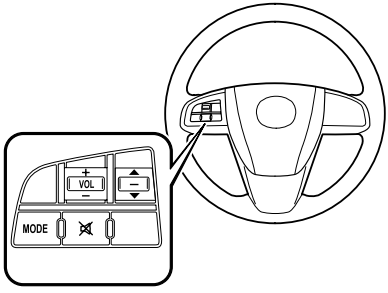
When the audio unit is turned on, operation of the audio unit from the steering wheel is possible.

NOTE

Because the audio unit will be turned off under the following conditions, the switches will be inoperable.

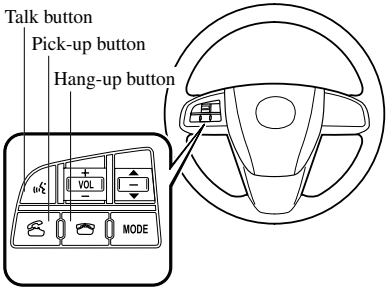
- *When the ignition is switched off.*
- *When the power button on the audio unit is pressed and the audio unit is turned off.*
- *When the CD being played is ejected and the audio unit is turned off.*

Without Bluetooth Hands-Free and navigation system



With Bluetooth Hands-Free only/ Bluetooth Hands-Free and navigation system

Use the talk button, pick-up button, and hang-up button for navigation system sound operation.
For details, refer to the separate manual "NAVIGATION SYSTEM Owner's Manual".



NOTE

- *The talk button, pick-up button, and hang-up button are operable with the audio unit turned off.*
- *Mazda has installed this system to prevent distraction while driving the vehicle and using audio controls on the dashboard. Always make safe driving your first priority.*

▼Adjusting the Volume

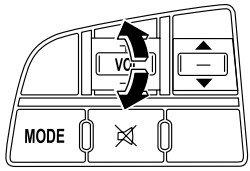
To increase the volume, press up the volume switch.

To decrease the volume, press down the volume switch.

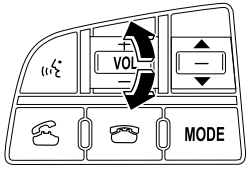
Information Provided by: DEALER E-PROCESS

Audio System

Without Bluetooth Hands-Free and navigation system



With Bluetooth Hands-Free only/ Bluetooth Hands-Free and navigation system



▼Changing the Source

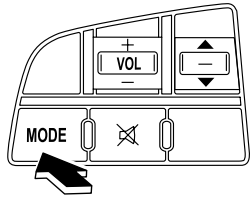
(Type A)

Press the mode switch (**MODE**) to change the audio source (FM1 radio → FM2 radio → AM radio → CD player or CD changer → AUX → BT audio → cyclical).

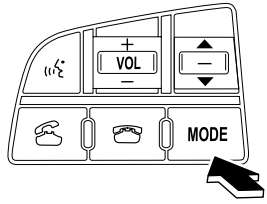
(Type B)

Press the mode switch (**MODE**) to change the audio source (FM1 radio → FM2 radio → AM radio → CD changer → SIRIUS1 → SIRIUS2 → SIRIUS3 → AUX → BT audio → cyclical).

Without Bluetooth Hands-Free and navigation system



With Bluetooth Hands-Free only/ Bluetooth Hands-Free and navigation system



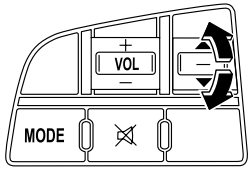
Information Provided by: DEALER E-PROCESS

NOTE
CD, CD changer, SIRIUS digital satellite radio, and BT audio modes cannot be selected in the following cases:
- *SIRIUS digital satellite radio unit, or BT audio unit is not equipped on the audio system.*
- *CD has not been inserted.*

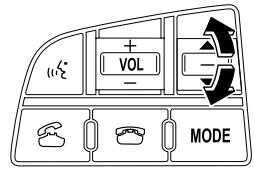
The AUX mode is unavailable unless you connect a commercially available portable audio unit (such as an MP3 player) to the auxiliary jack. Connect a portable audio unit or similar product on the market to the auxiliary jack to listen to music or audio over the vehicle's speakers. Change the audio source to AUX mode (page 6-74).

▼Seek Switch

Without Bluetooth Hands-Free and navigation system



With Bluetooth Hands-Free only/ Bluetooth Hands-Free and navigation system



When listening to the radio or SIRIUS digital satellite radio

Press the seek switch up or down. The radio switches to the next/previous stored station in the order that it was stored (1—6).

(Radio)
Press and hold the seek switch in the up or down position to seek all usable stations at a higher or lower frequency whether programmed or not.
(SIRIUS digital satellite radio)
Press and hold the seek switch in the up or down position to seek all usable stations at a higher or lower channel whether programmed or not.

When playing a CD or BT audio

Press up the seek switch to skip to the next track.
Press down the seek switch to repeat the current track.
Press and hold the seek switch in the up or down position to continuously switch the tracks up or down.

Information Provided by: DEALER E-PROCESS

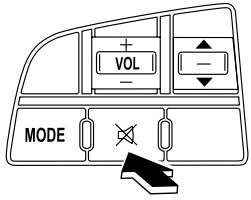
▼Mute Switch *

Press the mute switch ( ) once to mute audio, press it again to resume audio output.

NOTE

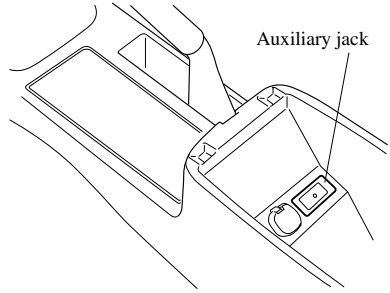
If the ignition is switched off with the audio muted, the mute will be canceled. Therefore, when the engine is restarted, the audio is not muted. To mute the audio again, press the mute switch ( ).

Without Bluetooth Hands-Free and navigation system



AUX Mode (Auxiliary input)

You can connect portable audio units, such as an MP3 player or similar products on the market, to the auxiliary jack to listen to music or audio over the vehicle's speakers.
A commercially-available, non-impedance (3.5ϕ) stereo mini plug cable is required.



⚠ WARNING

Do not adjust the portable audio unit or a similar product while driving the vehicle:

Adjusting the portable audio unit or a similar product while driving the vehicle is dangerous as it could distract your attention from the vehicle operation which could lead to a serious accident. Always adjust the portable audio unit or a similar product while the vehicle is stopped.

 *Some models.

Information Provided by: DEALER E-PROCESS

⚠ CAUTION

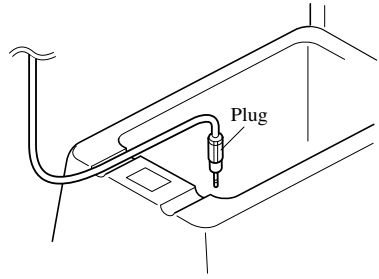
- *Close the lid when the auxiliary jack is not in use to prevent foreign objects and liquids from penetrating the auxiliary jack.*
- *Depending on the portable audio device, noise may occur when using the device with it connected to the accessory socket equipped on the vehicle. (If noise occurs, do not use the accessory socket.)*

NOTE

- *Before using the auxiliary jack, read the manufacturer's instructions for the product being connected.*
- *Use a commercially-available, non-impedance (3.5 Φ) stereo mini plug for connecting the portable audio unit to the auxiliary jack. Before using the auxiliary jack, read the manufacturer's instructions for connecting a portable audio unit to the auxiliary jack.*
- *To prevent discharging of the battery, do not use the auxiliary input for long periods with the engine off or idling.*
- *Noise may occur depending on the product connected to the auxiliary jack.*
- *With regard to connecting a portable audio or similar device to a power source, use the battery for the device, not the accessory socket.*

Connecting the auxiliary jack

1. Open the console lid.
2. Pass the connection plug cord through the cutout of the console and insert the plug into the auxiliary jack.



⚠ WARNING

Do not allow the connection plug cord to get tangled with the parking brake or the shift lever:

Allowing the plug cord to become tangled with the parking brake or the shift lever is dangerous as it could interfere with driving, resulting in an accident.

⚠ CAUTION

Do not place objects or apply force to the auxiliary jack with the plug connected.

NOTE

- *Insert the plug to the auxiliary jack securely.*
- *Insert or remove the plug with the plug perpendicular to the auxiliary jack hole.*
- *Insert or remove the plug by holding its base.*

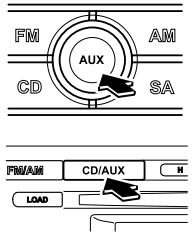
To listen to a portable audio unit

1. Switch the ignition to ACC or ON.
2. Press the power/volume dial to turn the audio system on.

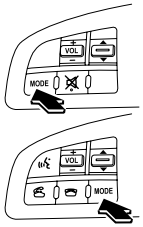
Information Provided by: DEALER E-PROCESS

3. **(Type A)**
   Press the AUX button (**AUX**) of the audio unit or the mode switch (**MODE**) of the audio control switches on the steering wheel to change to the AUX mode.
   (Type B)
   Press the AUX button (**CD/AUX**) of the audio unit or the mode switch (**MODE**) of the audio control switches on the steering wheel to change to the AUX mode.

Audio Unit



Audio Control Switches



NOTE

- *Set the volume of the portable audio unit to the maximum within the range that the sound does not become distorted, then adjust the volume using the power/volume dial of the audio unit or the up/down switch of the audio control switch.*
- *Audio adjustments other than audio volume can only be done using the portable audio device.*
- *If the connection plug is pulled out from the auxiliary jack while in AUX mode, noise may occur.*

Information Provided by: DEALER E-PROCESS

Safety Certification

This CD player is made and tested to meet exacting safety standards. It meets FCC requirements and complies with safety performance standards of the U.S. Department of Health and Human Services.

⚠ CAUTION

- *This CD player should not be adjusted or repaired by anyone except qualified service personnel.*
  If servicing is required, contact an Authorized Mazda Dealer.
- *Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous laser exposure. Never operate the CD player with the top case of the unit removed.*
- *Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.*

NOTE

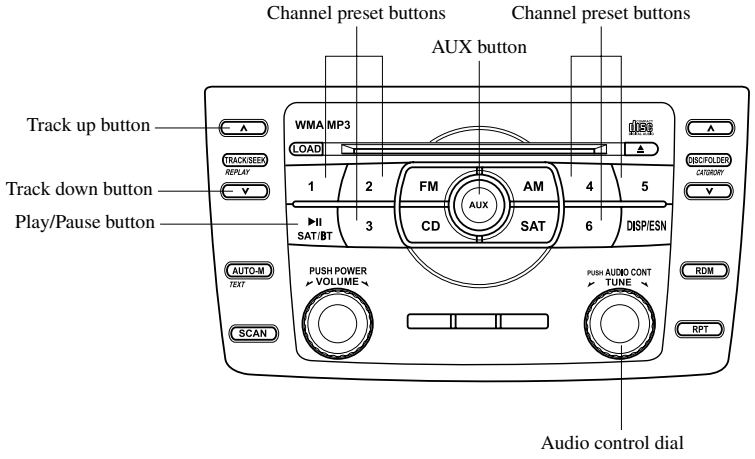
For CD player section:
This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

NOTE

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

Information Provided by: DEALER E-PROCESS

Bluetooth Audio (Type A)*



▼What is Bluetooth Audio?

Bluetooth audio outline

By programming portable audio devices equipped with the Bluetooth communication function to the vehicle's Bluetooth unit, you can listen to music or audio recorded on these audio devices from the vehicle's speakers. Bluetooth audio devices do not need to be plugged into the auxiliary jack.
After programming, operate the audio system's control panel or the navigation system to play/stop the music or audio.

⚠ CAUTION

- *Always program audio devices to the Bluetooth audio system while the vehicle is stopped.*

 *Some models.

Information Provided by: DEALER E-PROCESS

- *Because only specified Bluetooth audio devices can be used, consult an Authorized Mazda Dealer when purchasing or changing devices. Bluetooth audio devices which correspond to specified Bluetooth versions and profiles can be Bluetooth-connected to the vehicle's Bluetooth unit. However, even among these devices are ones which cannot be Bluetooth-connected or have limited functionality. Each device to be used with the vehicle's Bluetooth unit needs to be checked individually for compatibility. Consult an Authorized Mazda Dealer concerning device compatibility.*
  - *U.S.A.*
    Phone: 800-430-0153
    Web: www.MazdaUSA.com/bluetooth
  - *Canada*
    Phone: 800-430-0153
    Web: www.mazdahandsfree.ca
  - *Mexico*
    Center of Attention to Client (CAC)
    Phone: 01-800-01-MAZDA
    Web: www.MazdaUSA.com/bluetooth

Applicable Bluetooth specification
Ver. 2.0 or higher

Audio profile

- A2DP (Advanced Audio Distribution Profile) Ver. 1.0
- AVRCP (Audio/Video Remote Control Profile) Ver. 1.0

A2DP is a profile which transmits only audio to the Bluetooth unit. If your Bluetooth audio device corresponds only to A2DP, but not AVRCP, you cannot operate it using the control panel of the vehicle's audio or navigation systems. In this case, the Bluetooth audio device can be operated by controlling the device itself, the same as when a portable audio system without the Bluetooth communication function is connected to the AUX terminal.

Function	A2DP	A2DP·AVRCP
Playback	No	Yes
Pause	No	Yes
File (Track) up/down	No	Yes

Yes: Available
No: Not available

Bluetooth is the registered trademark of Bluetooth SIG. Inc.

Information Provided by: DEALER E-PROCESS

Bluetooth Audio (Type A)

NOTE

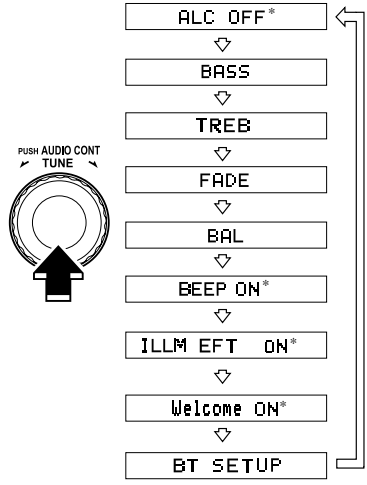
- *It may not be possible to play a Bluetooth audio device if it is placed anywhere transmission is compromised, such as inside a metal container or the trunk. Move the Bluetooth audio device to a location where transmission is possible.*
- *Battery consumption of Bluetooth audio devices is higher while Bluetooth-connected.*
- *If a non-Bluetooth device is to be used, a commercially-available Bluetooth adapter is required. When playing an audio device with a Bluetooth adapter installed, programming of the audio device may not be possible or audio may not be heard from the vehicle speakers if the connection of the adapter and the device is poor. If this happens, check if the Bluetooth adapter is properly connected.*

▼Bluetooth Audio Preparation

Bluetooth audio device set-up

Bluetooth audio programming, changes, deletions, and display of programmed device information can be performed.

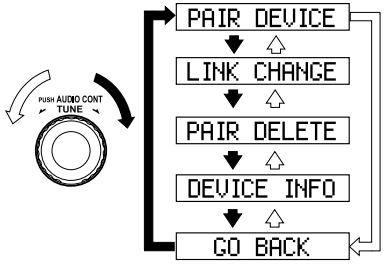
1. The mode changes as follows each time the audio control dial is pressed. Select “BT SETUP”.



* Depending on the mode selected, the indication changes.

Information Provided by: DEALER E-PROCESS

2. Turn the audio control dial and select a desired mode.



Display	Mode	Function
PAIR DEVICE	Pairing program mode	Bluetooth audio device programming
LINK CHANGE	Link change mode	Changing link to Bluetooth audio device
PAIR DELETE	Pairing deletion mode	Deleting link to Bluetooth audio device
DEVICE INFO	Device information display mode	Displaying vehicle's Bluetooth unit information

3. Press the audio control dial to determine the mode.

Bluetooth audio device programming

Any Bluetooth audio device must be programmed to the vehicle's Bluetooth unit before it can be listened to over the vehicle's speakers.
A maximum of seven devices including Bluetooth audio devices and hands-free mobile phones can be programmed to one vehicle.

NOTE

- *Always perform Bluetooth audio device programming while the vehicle is stopped.*
- *If a Bluetooth device has already been programmed to the vehicle as a hands-free mobile phone, it does not need to be programmed again when using the device as a Bluetooth audio device. Conversely, it does not need to be programmed again as a hands-free mobile phone if it has already been programmed as a Bluetooth audio device.*
- *Look around to be sure other likely Bluetooth audio devices are not in range when you start to program. If in doubt, move your car to another location. The transmission range of a Bluetooth audio device is about 10 m (32 ft). Therefore, if there is another Bluetooth audio device within a 10 m (32 ft) radius of the vehicle, the device may be identified and programmed instead.*
- *Device registration can also be done using voice recognition (page 6-100).*

Concerning the operation of a Bluetooth audio device itself, refer to its instruction manual.
Some Bluetooth audio devices have PIN codes (four digits). Refer to the audio device's instruction manual because the programming procedure differs depending on whether it has a PIN code or not.

Programming a Bluetooth audio device which has a four-digit PIN code

1. Using the audio control dial, select the pairing program mode "PAIR DEVICE" in the "BT SETUP" mode. (Refer to "Bluetooth audio device set-up" for details.)

Information Provided by: DEALER E-PROCESS

2. Press the audio control dial to determine the mode.
   After “ENTER PIN” is displayed on the information display for three seconds, “PIN 0000” is displayed and the PIN code can be input.
3. Input the PIN code of your Bluetooth audio device by pressing channel preset buttons 1 to 4 while “PIN 0000” is displayed.
   Press channel preset button 1 to input the first digit, 2 for the second, 3 for the third, and 4 for the forth. For example, if the PIN code were “4213”, press channel preset button 1 four times (1, 2, 3, 4), button 2 twice (1, 2), button 3 once (1), and button 4 three times (1, 2, 3). If the “PIN 0000” display disappears before finishing the PIN code input, repeat the procedure from Step 1.

NOTE

Some devices accept only a particular pairing code (Usually, “0000” or “1234”).
If pairing cannot be completed, refer to the owner's manual of your mobile device, and try those numbers if necessary.

4. Press the audio control dial while the input PIN code is displayed.
   “PAIRING” flashes on the display.
5. Operate the Bluetooth audio device and set it to the program mode while “PAIRING” is flashing.
6. When the programming is completed, “♫ ” and “PAIR SUCCESS” are displayed after about 10-30 seconds, after which “PAIR SUCCESS” continues to be displayed for three seconds, and then the unit returns to the normal display.

NOTE

- *Some Bluetooth audio devices need a certain amount of time before the “♫ ” symbol is displayed.*
- *If the programming failed, “Err” flashes for three seconds then it returns to “PAIR DEVICE”.*
- *Programming cannot be performed while the vehicle is moving. If you attempt to perform programming while the vehicle is moving, “PAIR DISABLE” is displayed and it returns to “PAIR DEVICE”.*
- *If seven Bluetooth audio devices have already been programmed to the vehicle, programming cannot be performed and “MEMORY FULL” is displayed. Delete one programmed device to program another one.*

Programming a Bluetooth audio device which does not have a four-digit PIN code

1. Using the audio control dial, select the pairing program mode “PAIR DEVICE” in the “BT SETUP” mode. (Refer to “Bluetooth audio set up” for details.)
2. Press the audio control dial to determine the mode.
   After “ENTER PIN” is displayed on the information display for three seconds, “PIN 0000” is displayed and the PIN code can be input.
3. Press the audio control dial while “PIN 0000” is displayed.
   “PAIRING” flashes on the display.
4. Operate the Bluetooth audio device and set it to the program mode while “PAIRING” is flashing.
5. As the Bluetooth audio device requires a PIN code, input “0000”.

Information Provided by: DEALER E-PROCESS

6. When the programming is completed, "♫ " and "PAIR SUCCESS" are displayed after about 10-30 seconds, after which "PAIR SUCCESS" continues to be displayed for three seconds, and then the unit returns to the normal display.

NOTE

- *If pairing cannot be completed, try "1234" instead. Refer to the owner's manual of your mobile device for the right PIN code.*
- *Some Bluetooth audio devices need a certain amount of time before the "♫ " symbol is displayed.*
- *If the programming failed, "Err" flashes for three seconds then it returns to "PAIR DEVICE".*
- *Programming cannot be performed while the vehicle is moving. If you attempt to perform programming while the vehicle is moving, "PAIR DISABLE" is displayed and it returns to "PAIR DEVICE".*
- *If seven Bluetooth audio devices have already been programmed to the vehicle, programming cannot be performed and "MEMORY FULL" is displayed. Delete one programmed device to program another one.*

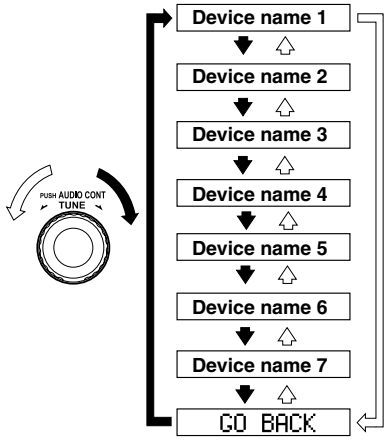
Changing the link to a Bluetooth audio device

If several devices have been programmed, the Bluetooth unit links the device last programmed. If you would like to link a different programmed device, it is necessary to change the link. The order of device priority after the link has been changed is maintained even when the ignition is switched off.

1. Using the audio control dial, select the link change mode "LINK CHANGE" in the "BT SETUP" mode. (Refer to "Bluetooth audio device set-up" for details.)
2. Press the audio control dial to determine the mode.
3. The name of the currently linked Bluetooth audio device is displayed. If no Bluetooth audio device is currently linked, the name of the first device among the programmed devices is displayed.

Information Provided by: DEALER E-PROCESS

4. Turn the audio control dial to select the name of the device you would like to link.



5. Press the audio control dial to select the device you would like to link.
   The "♫ " symbol disappears, and "PAIRING" flashes in the display.

NOTE

When "GO BACK" is selected and the audio control dial is pressed, the display returns to "LINK CHANGE".

6. If the link to the desired device is successful, the "♫ " symbol is displayed again, together with "LINK CHANGED".
   "LINK CHANGED" is displayed for three seconds, then it returns to the normal display.

NOTE

- *Some Bluetooth audio devices need a certain amount of time before the "♫ " symbol is displayed.*
- *If a hands-free type mobile phone has been the most recently programmed device, the Bluetooth unit links this device. If you would like to use a Bluetooth audio type device which has been previously programmed to the Bluetooth unit, the link must be changed to this device.*
- *If an error occurs while trying to link a device, "Err" flashes in the display for three seconds, and the display returns to "LINK CHANGE". If this occurs, check the programming status of the Bluetooth audio device and the location of the device in the vehicle (not in the trunk or a metal-type box), and then try the link operation again.*
- *Device selection can also be done using voice recognition (page 6-112).*

How to confirm the device currently linked

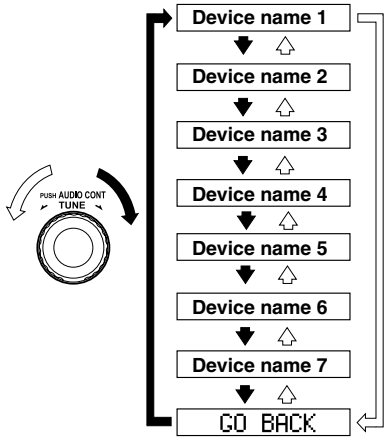
Switch to the link-change mode. (Refer to "Changing the link to a Bluetooth audio device")
The device name displayed first is the device which is currently linked.

Deleting the link to a Bluetooth audio device

1. Using the audio control dial, select the pairing delete mode "PAIR DELETE" in the "BT SETUP" mode. (Refer to "Bluetooth audio device set-up" for details.)
2. Press the audio control dial to determine the mode.
3. The name of the first device among the programmed devices is displayed.

Information Provided by: DEALER E-PROCESS

4. Rotate the audio control dial and select the name of the programmed device you would like to delete.



NOTE
Only the names of programmed devices can be displayed. If only one device is programmed, only the name for this device is displayed.

5. If a selection other than “GO BACK” is made and the audio control dial is pressed, “SURE ? NO” is displayed.
6. Rotate the audio control dial clockwise and switch the display to “SURE ? YES”.

NOTE
The display changes as follows depending on whether the audio control dial is rotated clockwise or counterclockwise.
-Clockwise: “SURE ? YES” displayed
-Counterclockwise: “SURE ? NO” displayed

7. Press the audio control dial to delete the selected device.

NOTE
Select “GO BACK” and press the audio control dial to return to the “PAIR DELETE” display.

8. “PAIR DELETED” is displayed for three seconds after the deletion is completed, and then it returns to the normal display.

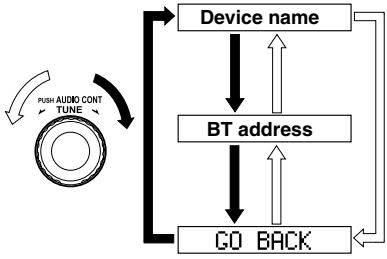
NOTE
If an error occurs while trying to delete the programmed device, “Err” flashes in the display for three seconds and the display returns to “LINK DELETE”.

Bluetooth audio device information display

1. Using the audio control dial, select the pair device information display mode “DEVICE INFO” in the “BT SETUP” mode. (Refer to “Bluetooth audio device set-up” for details.)
2. Press the audio control dial to determine the mode.
3. The name of the Bluetooth unit device is displayed.

Information Provided by: DEALER E-PROCESS

4. Rotate the audio control dial to select the information for the Bluetooth unit which you would like to view.



NOTE
When "GO BACK" is selected and the audio control dial is pressed, the display returns to "DEVICE INFO".

▼How to Use the Bluetooth Audio System

Switching to Bluetooth audio mode

To listen to music or voice audio recorded to a Bluetooth audio device, switch to the Bluetooth audio mode to operate the audio device using the audio system or navigation system control panels.
Any Bluetooth audio device must be programmed to the vehicle's Bluetooth unit before it can be used. (Refer to "Bluetooth audio device programming")

1. Switch the ignition to ACC or ON.
2. Turn on the Bluetooth audio device's power.
   Make sure that the "♬ " symbol is displayed in the information display.
   The symbol is not displayed if an unprogrammed Bluetooth audio device is being used or the vehicle's Bluetooth unit has a malfunction.

NOTE
Some Bluetooth audio devices need a certain amount of time before the "♬ " symbol is displayed.

3. Press the AUX button (**AUX**) to switch the Bluetooth audio mode to "BT".
4. The audio recorded to the Bluetooth audio device begins playback.

NOTE
- *If the Bluetooth audio device does not begin playback, press the Play/Pause button (▶II).*
- *If the mode is switched from Bluetooth audio mode to another mode (radio mode), audio playback from the Bluetooth audio device stops.*
- *If a call is received on a hands-free mobile phone during playback from the Bluetooth audio device, the playback is stopped. Playback from the Bluetooth audio device resumes after the call ends.*

Playback

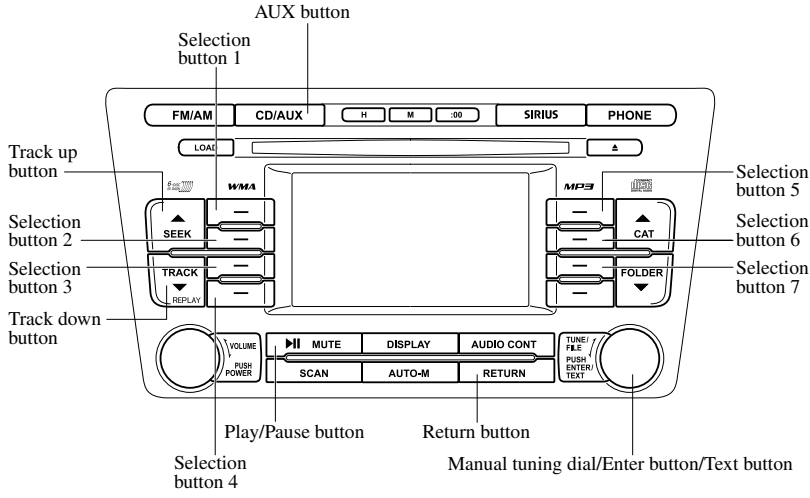
1. To listen to a Bluetooth audio device over the vehicle's speaker system, switch the mode to Bluetooth audio mode. (Refer to "Switching to Bluetooth audio mode")
2. To stop playback, press the Play/Pause button (▶II).
3. Press the button again to resume playback.

Selecting a file (track)

Short-press the track down button (∨): Selects the beginning of the current file (track).
Short-press the track up button (∧): Selects the next file (track).

Information Provided by: DEALER E-PROCESS

Bluetooth Audio (Type B)*



▼What is Bluetooth Audio?

Bluetooth audio outline

By programming portable audio devices equipped with the Bluetooth communication function to the vehicle's Bluetooth unit, you can listen to music or audio recorded on these audio devices from the vehicle's speakers. Bluetooth audio devices do not need to be plugged into the auxiliary jack.
After programming, operate the audio system's control panel to play/stop the music or audio.

⚠ CAUTION

- *Always program audio devices to the Bluetooth audio system while the vehicle is stopped.*

*Some models.

Information Provided by: DEALER E-PROCESS

Bluetooth Audio (Type B)

- *Because only specified Bluetooth audio devices can be used, consult an Authorized Mazda Dealer when purchasing or changing devices. Bluetooth audio devices which correspond to specified Bluetooth versions and profiles can be Bluetooth-connected to the vehicle's Bluetooth unit. However, even among these devices are ones which cannot be Bluetooth-connected or have limited functionality. Each device to be used with the vehicle's Bluetooth unit needs to be checked individually for compatibility. Consult an Authorized Mazda Dealer concerning device compatibility.*
  - *U.S.A.*
    Phone: 800-430-0153
    Web: www.MazdaUSA.com/bluetooth
  - *Canada*
    Phone: 800-430-0153
    Web: www.mazdahandsfree.ca
  - *Mexico*
    Center of Attention to Client (CAC)
    Phone: 01-800-01-MAZDA
    Web: www.MazdaUSA.com/bluetooth

Applicable Bluetooth specification

Ver. 2.0 or higher

Audio profile

- A2DP (Advanced Audio Distribution Profile) Ver. 1.0
- AVRCP (Audio/Video Remote Control Profile) Ver. 1.0/1.3

A2DP is a profile which transmits only audio to the Bluetooth unit. If your Bluetooth audio device corresponds only to A2DP, but not AVRCP, you cannot operate it using the control panel of the vehicle's audio system. In this case, the Bluetooth audio device can be operated by controlling the device itself, the same as when a portable audio system without the Bluetooth communication function is connected to the AUX terminal.

Function	A2DP	A2DP·AVRCP	
		Ver. 1.0	Ver. 1.3
Playback	No	Yes	Yes
Pause	No	Yes	Yes
File (Track) up/down	No	Yes	Yes
Reverse	No	No	Yes
Fast-forward	No	No	Yes
Text display	No	No	Yes

Yes: Available
No: Not available

NOTE

- *The system may not operate normally depending on the Bluetooth audio device.*
- *To make sure that your Bluetooth audio device is Ver. 1.0 or 1.3, refer to the Owner's Manual for the Bluetooth audio device.*

Information Provided by: DEALER E-PROCESS

Bluetooth is the registered trademark of Bluetooth SIG. Inc.

NOTE

- *It may not be possible to play a Bluetooth audio device if it is placed in a location where transmission is compromised, such as inside a metal container or the trunk. Move the Bluetooth audio device to a location where transmission is possible.*
- *The battery consumption of Bluetooth audio devices is higher while Bluetooth-connected.*
- *If a non-Bluetooth device is to be used, a commercially-available Bluetooth adapter is required. When playing an audio device with a Bluetooth adapter installed, programming of the audio device may not be possible or audio may not be heard from the vehicle speakers if the connection of the adapter and the device is poor. If this happens, check whether the Bluetooth adapter is properly connected.*

▼Bluetooth Audio Preparation

Bluetooth audio device set-up

Bluetooth audio programming, changes, deletions, and display of programmed device information can be performed.

Bluetooth audio device programming

Any Bluetooth audio device must be programmed to the vehicle's Bluetooth unit before it can be listened to over the vehicle's speakers.
A maximum of seven devices including Bluetooth audio devices and hands-free mobile phones can be programmed to one vehicle.

NOTE

- *Always perform Bluetooth audio device programming while the vehicle is stopped.*
- *Programming cannot be performed while the vehicle is moving. If you attempt to perform programming while the vehicle is moving, "Pairing prohibited" is displayed.*
- *A total of seven devices can be programmed to one vehicle. If you require an additional device to be programmed to a vehicle with seven devices already programmed, delete one of the programmed devices before programming the latest one.*
- *If a Bluetooth device has already been programmed to the vehicle as a hands-free mobile phone, it does not need to be programmed again when using the device as a Bluetooth audio device. Conversely, it does not need to be programmed again as a hands-free mobile phone if it has already been programmed as a Bluetooth audio device.*
- *Look around to be sure other likely Bluetooth audio devices are not in range when you start to program. If in doubt, move your car to another location. The transmission range of a Bluetooth audio device is about 10 m (32 ft). Therefore, if there is another Bluetooth audio device within a 10 m (32 ft) radius of the vehicle, the device may be identified and programmed instead.*
- *Device registration can also be done using voice recognition (page 6-100).*

Concerning the operation of a Bluetooth audio device itself, refer to its instruction manual.
Some Bluetooth audio devices have PIN codes (four digits). Refer to the audio device's instruction manual because the programming procedure differs depending on whether it has a PIN code or not.

Information Provided by: DEALER E-PROCESS

Bluetooth Audio (Type B)

Programming a Bluetooth audio device which has a PIN code (four digits)

1. Press selection button 2 to display the Bluetooth audio setting menu screen.
2. Press selection button 2 again to display the pairing program screen.
3. “Enter Pin:0000” and “Rotate/Press TUNE dial to change code. Select “OK” when complete.” are displayed for input of the PIN code.
4. Turn the manual tuning dial to select the specified number for the Bluetooth audio device and press the enter button (**ENTER**) to input the number.

NOTE

Some devices accept only a particular pairing code (Usually, “0000” or “1234”).
If pairing cannot be completed, refer to the owner's manual of your mobile device, and try those numbers if necessary.

5. After inputting the four digits, turn the manual tuning dial and select “OK”, and then press the enter button (**ENTER**) to set the four digits and display “Pairing is in progress. Please start pairing procedure on your Bluetooth device. Use the PIN “xxxx”.”.

NOTE

*Press the return button (**RETURN**) to return to the pairing program screen.*

6. Operate the Bluetooth audio device and set it to the program mode while “Pairing is in progress. Please start pairing procedure on your Bluetooth device. Use the PIN “xxxx”.” is displayed.
7. When the pairing programming is completed, a “♫ ” symbol and “Pairing complete” are displayed, and then the display returns to the normal display.
   If an error occurs during program pairing, “Error” is displayed and the display returns to the pairing program screen.

NOTE

Some Bluetooth audio devices need a certain amount of time before the “♫ ” symbol is displayed.

Programming a Bluetooth audio device which does not have a PIN code (four digits)

1. Press selection button 2 to display the Bluetooth audio setting menu screen.
2. Press selection button 2 again to display the pairing program screen.
3. “Enter Pin:0000” and “Rotate/Press TUNE dial to change code. Select “OK” when complete.” are displayed for input of the PIN code.
4. Turn the manual tuning dial and select “OK”, and then press the enter button (**ENTER**) to set the four digits and display “Pairing is in progress. Please start pairing procedure on your Bluetooth device. Use the PIN “0000”.”.

NOTE

*Press the return button (**RETURN**) to return to the pairing program screen.*

Information Provided by: DEALER E-PROCESS

5. Operate the Bluetooth audio device and set it to the program mode while "Pairing is in progress. Please start pairing procedure on your Bluetooth device. Use the PIN "0000"." is displayed.
6. The Bluetooth audio device will request input of a PIN code. Input "0000".
7. When the pairing programming is completed, a "♬ " symbol and "Pairing complete" are displayed, and then it returns to the normal display.
   If an error occurs during program pairing, "Error" is displayed and the display returns to the pairing program screen.

NOTE

- *If pairing cannot be completed, try "1234" instead. Refer to the owner's manual of your mobile device for the right PIN code.*
- *Some Bluetooth audio devices need a certain amount of time before the "♬ " symbol is displayed.*

Changing the link to a Bluetooth audio device

If several devices have been programmed, the Bluetooth unit links the device last programmed. If you would like to link a different programmed device, it is necessary to change the link. The order of device priority after the link has been changed is maintained even when the ignition is switched off.

NOTE

- *If a hands-free type mobile phone has been the most recently programmed device, the Bluetooth unit links this device. If you would like to use a Bluetooth audio type device which has been previously programmed to the Bluetooth unit, the link must be changed to this device.*
- *If the device name cannot be displayed, "..." is added at the end to the part of the title which can be displayed.*

Changing the link to only a Bluetooth audio device

1. Press selection button 2 to display the Bluetooth audio setting menu screen.
2. Press selection button 3 to display the link change screen and the current pairing programming device name.
3. Press selection button 1, 2, 3, 4, 5, 6, or 7 to select the name of the device you would like to change.
   The "♬ " symbol disappears, and the device name and
   "Connection is in progress." are displayed.

NOTE

*Press the return button (**RETURN**) to return to the link change screen.*

4. When the link change is completed, a "♬ " symbol and "Link Changed" are displayed, and then it returns to the normal display.
   If an error occurs while trying to link a device, "Error" is displayed and the display returns to the link change screen.

Information Provided by: DEALER E-PROCESS

Bluetooth Audio (Type B)

NOTE

- *Some Bluetooth audio devices need a certain amount of time before the "♫ " symbol is displayed.*
- *If a link change error occurs, check the programming status of the Bluetooth audio device and the location of the device in the vehicle (not in the trunk or a metal-type box), and then try the link operation again.*

Changing the link to a Bluetooth Hands-Free and Bluetooth audio device

1. Press selection button 2 to display the Bluetooth audio setting menu screen.
2. Press selection button 3 to display the link change screen and the current pairing programming device name.
3. Press selection button 1, 2, 3, 4, 5, 6, or 7 to select the name of the device you would like to change.
4. The device name and "Please Select Device" are displayed.
5. Press selection button 3 to select "Audio". The "♫ " symbol disappears, and then "Connection is in progress." is displayed.

NOTE

*Press the return button (***RETURN** *) to return to the link change screen.*

6. When the link change is completed, a "♫ " symbol and "Link Changed" are displayed, and then it returns to the normal display.
   If an error occurs while trying to change the link, "Error" is displayed, and then it returns to the link change screen.

NOTE

- *Some Bluetooth audio devices need a certain amount of time before the "♫ " symbol is displayed.*
- *If a link change error occurs, check the programming status of the Bluetooth audio device and the location of the device in the vehicle (not in the trunk or a metal-type box), and then try the link operation again.*

Deleting the link to a Bluetooth audio device

NOTE

If the device name and Bluetooth address cannot be displayed, "..." is added at the end to the part of the title which can be displayed.

1. Press selection button 2 to display the Bluetooth audio setting menu screen.
2. Press selection button 4 to display the pair link deletion screen and the current pairing programming device name.
3. Press selection button 1, 2, 3, 4, 5, 6, or 7 to select the name of the device you would like to delete.
4. The link delete confirmation screen is displayed, and then "Delete select device?", the device name, and the Bluetooth address are displayed.
5. Press selection button 1 to delete the selected device.

NOTE

*Press the return button (***RETURN** *) to return to the previous display.*

Information Provided by: DEALER E-PROCESS

6. When the link deletion is completed, “Deleted” is displayed, and then it returns to the normal display.
   If an error occurs while trying to delete the link, “Error” is displayed, and then it returns to the link deletion screen.

NOTE
If a device is deleted while it is being linked, linking to other devices will not be possible.

Bluetooth audio device information display

1. Press selection button 2 to display the Bluetooth audio setting menu screen.
2. Press selection button 6 to display the device information display screen.
   If the device information is available, the device name and Bluetooth address are displayed, and then it returns to the Bluetooth audio setting menu screen.
   If the device information is not available,
   “Failed to obtain device information.” is displayed, and then it returns to the Bluetooth audio setting menu screen.

NOTE
If the device name and Bluetooth address cannot be displayed, “...” is added at the end to the part of the title which can be displayed.

▼How to Use the Bluetooth Audio System

Switching to Bluetooth audio mode

To listen to music or voice audio recorded to a Bluetooth audio device, switch to the Bluetooth audio mode to operate the audio device using the audio system control panel.
Any Bluetooth audio device must be programmed to the vehicle's Bluetooth unit before it can be used. (Refer to “Bluetooth audio device programming”)

1. Switch the ignition to ACC or ON.
2. Turn on the Bluetooth audio device's power.
   Make sure that the “♫ ” symbol is displayed in the audio unit screen.
   The symbol is not displayed if an unprogrammed Bluetooth audio device is being used or the vehicle's Bluetooth unit has a malfunction.

NOTE
Some Bluetooth audio devices need a certain amount of time before the “♫ ” symbol is displayed.

3. Press the AUX button (**CD/AUX**) to switch the Bluetooth audio mode.
4. The audio recorded to the Bluetooth audio device begins playback.

Information Provided by: DEALER E-PROCESS

Bluetooth Audio (Type B)

NOTE

- *If the Bluetooth audio device does not begin playback, press the Play/Pause button (▶II).*
- *If the mode is switched from Bluetooth audio mode to another mode (radio mode), audio playback from the Bluetooth audio device stops.*
- *If a call is received on a hands-free mobile phone during playback from the Bluetooth audio device, the playback is stopped. Playback from the Bluetooth audio device resumes after the call ends.*

Playback

Press the AUX button (**CD/AUX**) to switch the Bluetooth audio mode and start playback.

NOTE

If the Bluetooth audio device does not begin playback, press the Play/Pause button (▶II).

If the current device is lower than AVRCP Ver. 1.3:

"Bluetooth-Audio" is displayed.

If the current device is AVRCP Ver. 1.3:

"Bluetooth-Audio", track number, elapsed time, album name, artist name, and song name are displayed.

NOTE

- *If the entire title cannot be displayed, "..." is added at the end to the part of the title which can be displayed.*
- *If title information is not available, "NO TITLE" is displayed.*
- *If there are any undisplayable characters in the title, "- - - - - - - -" is displayed.*

Pause

Press the Play/Pause button (▶II). Press the button again to resume playback.

File (track) search

File (track) up

Press the track up button (▲) or turn the file dial clockwise.

File (track) down

Press the track down button (▼) or turn the file dial counterclockwise.

Fast-forward/Reverse (only AVRCP Ver. 1.3)

Fast-forward

Press and hold the track up button (▲).

Reverse

Press and hold the track down button (▼).

Display scroll

If each title cannot be fully displayed at one time, press the text button (**TEXT**) to display the rest of the characters.
If the last character of the title is displayed, press the text button (**TEXT**) to return the beginning of the title.

Information Provided by: DEALER E-PROCESS

Bluetooth Hands-Free*

▼What is Bluetooth Hands-Free?

Bluetooth Hands-Free Outline

By connecting a Bluetooth equipped device (Mobile phone) to the hands-free unit equipped on the vehicle, making and receiving calls are possible using the talk button, pick-up button and hang-up button located on the steering wheel, and saying the voice commands.

⚠ WARNING

Perform phonebook registration related operations while the vehicle is parked:

Performing phonebook registration while driving the vehicle could be a distraction to your driving and result in an accident. In addition, a mistake in performing the phonebook operation could result in the loss of important data.

Bluetooth equipped device (Mobile phone)

A Bluetooth equipped device (Mobile phone) communicates with the hands-free unit equipped on the vehicle using radio transmission (Bluetooth).
For example, if the device (Mobile phone) is placed in a coat pocket, the phone calls can be made through your mobile service without taking out and handling the device (Mobile phone).

⚠ CAUTION

The types of devices (Mobile phone) which can be connected to the hands-free unit are limited. Therefore, before purchasing or changing your device (Mobile phone) model, consult Mazda Bluetooth Hands-Free Customer Service or visit www.MazdaUSA.com/bluetooth for a complete list of compatible phones. Devices (Mobile phone) which can be connected to the hands-free system need to be compliant with Bluetooth specifications and the appropriate profile. However, even among these Bluetooth devices (Mobile phone) are some which will not connect with your Mazda or will have limited function. Therefore, consult Mazda Bluetooth Hands-Free Customer Service for information regarding device (Mobile phone) compatibility:

- *U.S.A.*
  Phone: 800-430-0153
  Web: www.MazdaUSA.com/bluetooth
- *Canada*
  Phone: 800-430-0153
  Web: www.mazdahandsfree.ca
- *Mexico*
  Center of Attention to Client (CAC)
  Phone: 01-800-01-MAZDA
  Web: www.MazdaUSA.com/bluetooth

Applicable Bluetooth specification
Ver. 2.0 or higher
Response profile
- HFP (Hands Free Profile) Ver. 1.5
- DUN (Dial-up Networking Profile) Ver. 1.1
- PBAP (Phone Book Access Profile) Ver. 1.0

*Some models.

Information Provided by: DEALER E-PROCESS

- A2DP (Advanced Audio Distribution Profile) Ver. 1.0
- OPP (Object Push Profile) Ver. 1.1

Bluetooth is the registered trademark of Bluetooth SIG. Inc.

NOTE

- *The Bluetooth Hands-Free system is operable several seconds after the ignition is switched to ACC or ON (requires less than 15 seconds).*
- *If the ignition is switched off during a hands-free call, the line is transferred to the device (Mobile phone) automatically.*
- *If the device (Mobile phone) is in a location where radio reception is difficult such as a metal container or in the trunk, the call may not be connected using Bluetooth. If communication is not possible, change the location of the device (Mobile phone).*

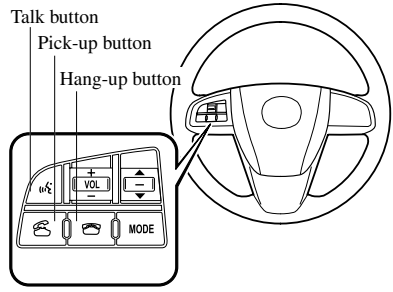
▼Component Parts

Bluetooth Hands-Free consists of the following items:

- Talk button
- Pick-up button
- Hang-up button
- Information display (Type A/ Navigation system)
- Microphone
- Audio unit/Navigation system

Talk button, Pick-Up button and Hang-Up button

Basic functions of Bluetooth Hands-Free can be used for such things as making calls or hanging up using the talk button, pick-up button and hang-up button on the steering wheel.



Talk button operations

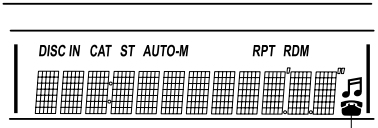
A short press or a long press of the talk button is used to operate the system as follows:

- Short press (Press the button less than 0.7 sec.)
- Long press (Press the button 0.7 sec. or more.)

Information Provided by: DEALER E-PROCESS

Information display (Type A/ Navigation system)

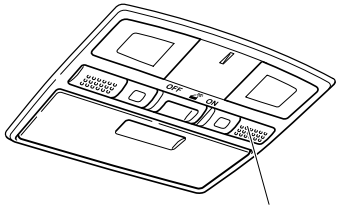
When available, the information display shows telephone numbers, Bluetooth Hands-Free messages, and operation status.



Bluetooth phone connected

Microphone

The microphone is used for speaking voice commands or exchanging conversation.



Microphone

Audio unit/Navigation system

The audio unit or navigation system is used for adjusting the volume.

▼Voice

To prevent the deterioration in voice recognition rate and voice quality, the following points must be observed:

- It is not necessary to face the microphone or approach it. Speak the voice commands while maintaining a safe driving position.
- Close the windows and/or the moonroof to reduce loud noises from outside the vehicle, or turn down the airflow of the climate control system while Bluetooth Hands-Free is being used. Voice recognition may not function correctly or voice quality may deteriorate under the following conditions.
  - A passenger is speaking.
  - Driving with the window and/or the moonroof open.
  - Driving on bumpy roads.
  - Noise outside of the vehicle is loud. (Construction sites, inside tunnels, excess oncoming traffic, or heavy rain.)
  - Operation noise from turn signals, wipers, or the horn is heard.
  - A/C airflow is strong or wind is blowing on the microphone.
  - There is noise coming from cargo loaded in the vehicle.
- Voice commands may not be recognized depending on the voice. If the voice commands are not recognized correctly, repeat the commands in a louder voice, at a natural pace, as if speaking to another person.
- Dialects or different wording other than hands-free prompts cannot be recognized by voice recognition. Speak in the wording specified by the voice commands.

Information Provided by: DEALER E-PROCESS

Bluetooth Hands-Free (Voice Recognition)

NOTE
If the voice recognition performance is not satisfactory, refer to "Voice Recognition Learning Function (Speaker Enrollment)" (page 6-117).

Please be aware that the voice recognition may still make an error despite following the above points.

▼Function Restrictions While Using Bluetooth Hands-Free

Some functions are limited while Bluetooth Hands-Free is being used. They include:
- Beep sound and voice guidance related to the audio unit and navigation system are not heard.
- Beep sound related to the A/C operation is not heard.
- The navigation system's voice recognition command does not function.

▼How to Use This Section

Descriptions in the text are as follows:
Say: Voice commands to be spoken by you.
Prompt: Voice guidance output from the speaker.

NOTE
Say voice commands after the beep sound [Beep] is heard.

Example)
Say: [Beep] "Dial"
Prompt: "Number, please"
Say: [Beep] "XXXXXXXXXX (Ex. "555-1234") (Telephone number)"

Bluetooth Hands-Free Activation Method

Press the pick-up button (with/without navigation system) or talk button with a short press (without navigation system) or a long press (with navigation system).

NOTE
For vehicles with the navigation system, you can also press the talk button with a short press and say: [Beep] "Telephone" or "Phone".

The hands-free system is activated. Functions of the hands-free telephone, such as making and receiving calls, can be used after the activation. (For details on the telephone functions, refer to "Basic Bluetooth Hands-Free Operation" or "Convenient Use of the Hands-Free System".)

NOTE
For vehicles with a navigation system, the system operates by speaking the voice recognition command of the navigation system after pressing the talk button with a short press. For voice recognition details with the navigation system, refer to the separate "NAVIGATION SYSTEM Owner's Manual".

Tutorial

The tutorial explains how to use Bluetooth Hands-Free.
To activate the tutorial, do the following:

1. Press the pick-up button (with/without navigation system) or talk button with a short press (without navigation system) or a long press (with navigation system).

Information Provided by: DEALER E-PROCESS

NOTE
For vehicles with the navigation system, you can also press the talk button with a short press and say: [Beep] "Telephone" or "Phone".

2. **Say:** [Beep] "Tutorial"
3. Follow the prompts to receive the appropriate voice guidance instructions.

▼Useful Commands at Anytime, Convenient Operations

Help function use

The help function informs the user of all the available voice commands under the current conditions.

1. Press the talk button with a short press.
2. **Say:** [Beep] "Help"
3. Follow the prompts to receive the appropriate voice guidance instructions.

Cancel

The Bluetooth Hands-Free system transitions to standby status if the following operation is performed while the system is activating.
Press the hang-up button, or the talk button with a long press.

Returning to previous operation

This command is for returning to the previous operation while in the voice recognition mode.
Say: [Beep] "Go Back"

Voice guidance interrupt operation

Voice guidance can be skipped by pressing the talk button with a short press while it is being heard. A new voice input command can then be spoken by the user.

Voice recognition mode cancel

If you want to cancel the voice recognition mode during a call, the voice recognition mode can be canceled without having to end the call.
Press the talk button with a long press.

Information Provided by: DEALER E-PROCESS

Basic Bluetooth Hands-Free Operation

▼Bluetooth Hands-Free Preparation

Language setting

The available languages are English, Spanish, and Canadian French. If the language setting is changed, all of the voice guidance and voice input commands are done in the selected language.

NOTE

- *If the language setting is changed, device registration is maintained. Phonebook records are not cleared, but each language has a separate phonebook. Therefore, entries created in one language will need to be re-entered in the phonebook of the new language.*
- *Do these steps before you start driving. These less used functions are too distracting to undertake while driving until you are fully familiar with the system.*

Method 1

1. Press the pick-up button (with/without navigation system) or talk button with a short press (without navigation system) or a long press (with navigation system).

NOTE

For vehicles with the navigation system, you can also press the talk button with a short press and say: [Beep] "Telephone" or "Phone".

2. **Say:** [Beep] "Setup"
3. **Prompt:** "Select one of the following: Pairing options, confirmation prompts, language, passcode, select phone or select music player."
4. **Say:** [Beep] "Language"
5. **Prompt:** "Select a language: English, French, or Spanish."
6. **Say:** [Beep] "French" (Speak the desired language: "English", "French" or "Spanish")

NOTE

Other language settings can also be made while in the current setting by saying the name of the language in the native pronunciation.

7. **Prompt:** "French (Desired language) selected. Is this correct?"
8. **Say:** [Beep] "Yes"
9. **Prompt:** "Please wait. Switching to French phonebook. French selected." (Spoken in the newly selected language).

Method 2

1. Press the pick-up button (with/without navigation system) or talk button with a short press (without navigation system) or a long press (with navigation system).

NOTE

For vehicles with the navigation system, you can also press the talk button with a short press and say: [Beep] "Telephone" or "Phone".

2. **Say:** [Beep] "French" (Say the desired language: "English", "French", or "Spanish".) (Change the desired language by saying the language name.)

NOTE

Other language settings can also be made while in the current setting by saying the name of the language in the native pronunciation.

Information Provided by: DEALER E-PROCESS

3. **Prompt:** “Would you like to change the language to French (Desired language)?”
4. **Say:** [Beep] “Yes”
5. **Prompt:** “Please wait. Switching to French phonebook. French selected.” (Spoken in the newly selected language).

Pairing code setting

The 4-digit pairing code setting for registration of your cell phone (pairing) can be set beforehand.

NOTE
The initial setting value is “0000”.

1. Press the pick-up button (with/without navigation system) or talk button with a short press (without navigation system) or a long press (with navigation system).

NOTE
For vehicles with the navigation system, you can also press the talk button with a short press and say: [Beep] “Telephone” or “Phone”.

2. **Say:** [Beep] “Setup”
3. **Prompt:** “Select one of the following: Pairing options, confirmation prompts, language, passcode, select phone or select music player.”
4. **Say:** [Beep] “Pairing options”
5. **Prompt:** “Available options are: Pair, Edit, Delete, List, or Set Pairing Code.”
6. **Say:** [Beep] “Set pairing code”
7. **Prompt:** “Your current pairing code is XXXX. Do you want to change it to a different pairing code?”
8. **Say:** [Beep] “Yes”
9. **Prompt:** “Please say a 4-digit pairing code.”
10. **Say:** [Beep] “YYYY”
11. **Prompt:** “YYYY is this correct?”
12. **Say:** [Beep] “Yes” or “No”
13. If “Yes”, go to Step 14. If “No”, the procedure returns to Step 9.
14. **Prompt:** “Your new pairing code is YYYY. Use this pairing code when pairing devices to the Hands free system. Do you want to pair a device now?”
15. **Say:** [Beep] “Yes” or “No”
16. If “Yes”, the system switches to the device registration mode. If “No”, the system returns to standby status.

Device programming (Pairing)

To use Bluetooth Hands-Free, the device equipped with Bluetooth has to be programmed to the hands-free unit using the following procedure.
A maximum of seven devices including hands-free mobile phones and Bluetooth audio devices can be programmed to one vehicle.

Information Provided by: DEALER E-PROCESS

Bluetooth Hands-Free (Voice Recognition)

NOTE

- *A device can be programmed only when the vehicle is parked. If the vehicle starts to move, the pairing procedure will end. Programming is dangerous while driving - pair up your device before you start driving. Park the car in a safe place before programming.*
- *If a Bluetooth device has already been programmed to the vehicle as a Bluetooth audio device, it does not need to be programmed again when using the device as a hands-free mobile phone. Conversely, it does not need to be programmed again as a Bluetooth audio device if it has already been programmed as a hands-free mobile phone.*
- *Since the communication range of a Bluetooth equipped device is about 10 meters (32 ft), if a device is placed within a 10-meter (32 ft) radius of the vehicle, it may be detected/programmed unintentionally while another device is being programmed.*

1. Activate the Bluetooth application of the device.

NOTE

For the operation of the device, refer to its instruction manual.

2. Press the pick-up button (with/without navigation system) or talk button with a short press (without navigation system) or a long press (with navigation system).

NOTE

For vehicles with the navigation system, you can also press the talk button with a short press and say: [Beep] "Telephone" or "Phone".

3. **Say:** [Beep] "Setup"
4. **Prompt:** "Select one of the following: Pairing options, confirmation prompts, language, passcode, select phone or select music player."
5. **Say:** [Beep] "Pairing options"
6. **Prompt:** "Available options are: Pair, Edit, Delete, List, or Set Pairing Code."
7. **Say:** [Beep] "Pair"
8. **Prompt:** "Start the pairing process on your Bluetooth device. Your pairing code is 0000 (XXXX). Input this code on your Bluetooth device when prompted on the device. See device manual for instructions."
9. Using the device, perform a search for the Bluetooth device (Peripheral device).

NOTE

For the operation of the device, refer to its instruction manual.

10. Select "Mazda" from the device list searched by the device.
11. Input the 4-digit pairing code to the device.
12. **Prompt:** "Please say the name of the device after the beep."
13. **Say:** [Beep] "XXXX - - -" (Speak a "device tag", an arbitrary name for the device.)
    Example: "Stan's device."

NOTE

Speak a programmed "device tag" within 10 seconds.
If more than two devices are to be programmed, they cannot be programmed with the same or similar "device tag".

Information Provided by: DEALER E-PROCESS

14. **Prompt:** “XXXXXX - - - (Ex. “Stan's device”) (Device tag). Is this correct?”
15. **Say:** [Beep] “Yes”
16. **Prompt:** “Pairing complete”

After a device is registered, the system automatically identifies the device. By activating Bluetooth Hands-Free again, or by activating Bluetooth Hands-Free first after switching the ignition from OFF to ACC, the system reads out a voice guidance, “XXXXXX - - - (Ex. “Stan's device”) (Device tag) is connected”.

NOTE

- *Device registration can also be done by operating the audio unit or panel buttons on the navigation unit.*
  - ***(Type A)***
    Refer to “Bluetooth Audio Preparation” (page 6-80).
  - ***(Type B)***
    Refer to “Bluetooth Audio Preparation” (page 6-89).
  - ***(Navigation system)***
    Refer to the separate manual “NAVIGATION SYSTEM Owner's Manual”
- *Depending on the device, the registration status may be lost after a certain period of time. If this occurs, repeat the entire process from Step 1.*

▼Making a Call Using a Telephone Number

NOTE

Practice this while parked until you are confident you can do it while driving in a non-taxing road situation. If you are not completely comfortable, make all calls from a safe parking position, and move out only when fully under control and you can devote your eyes and mind to driving.

1. Press the pick-up button (with/without navigation system) or talk button with a short press (without navigation system) or a long press (with navigation system).

NOTE

For vehicles with the navigation system, you can also press the talk button with a short press and say: [Beep] “Telephone” or “Phone”.

2. **Say:** [Beep] “Dial”
3. **Prompt:** “Number, please”
4. **Say:** [Beep] “XXXXXXXXXXX (Telephone number)”
5. **Prompt:** “XXXXXXXXXXX. (Telephone number) After the beep, continue to add numbers, or say Go-Back to re-enter the last entered numbers, or press the Pick-Up button to execute dialing.”

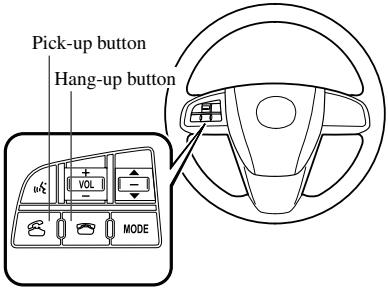
Information Provided by: DEALER E-PROCESS

6. **(Dialing)**
   Press the pick-up button or say “Dial”, then go to Step 7.
   (Adding/inputting telephone number)
   Say, “XXXX” (desired telephone number), then go to Step 5.
   (Telephone number correction)
   Say, “Go Back”. The prompt replies, “Go Back. The last entered numbers have been removed.”. Then go back to Step 3.
7. **Prompt:** “Dialing”

NOTE
The “Dial” command and a telephone number can be combined.
Ex. In Step 2, say, “Dial 123-4567”, then, Steps 3 and 4 can be skipped.

▼Receiving an Incoming Call

1. **Prompt:** “Incoming call, press the pickup button to answer”.
2. To accept the call, press the pick-up button.
   To reject the call, press the hang-up button.

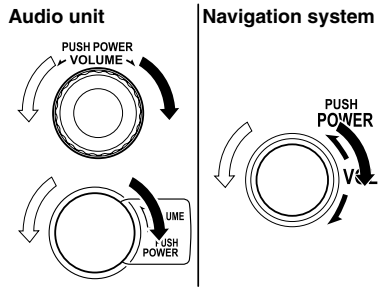


▼Hanging Up a Call

Press the hang-up button during the call. A beep sound will confirm that call is ended.

▼Volume Adjustment

The power/volume dial of the audio unit or navigation system is used to adjust the volume. Turn the dial to the right to increase volume, to the left to decrease it.



NOTE
- *The volume can also be adjusted using the volume button on the steering wheel.*
- *The music volume of the audio unit and the navigation system cannot be adjusted while Bluetooth Hands-Free is being used.*

Information Provided by: DEALER E-PROCESS

Convenient Use of the Hands-Free System

▼Phonebook Usage

Phonebook registration

Phone numbers can be registered to the Bluetooth Hands-Free phonebook.

NOTE

Do this function only when parked. It is too distracting to attempt while driving and you may make too many errors to be effective.

1. Press the pick-up button (with/without navigation system) or talk button with a short press (without navigation system) or a long press (with navigation system).

NOTE

For vehicles with the navigation system, you can also press the talk button with a short press and say: [Beep] "Telephone" or "Phone".

2. **Say:** [Beep] "Phonebook"
3. **Prompt:** "Select one of the following: New entry, edit, list names, delete, erase all or import contact."
4. **Say:** [Beep] "New entry"
5. **Prompt:** "Name please."
6. **Say:** [Beep] "XXXXX... (Ex. "Mary's phone")" (Say a voice tag for the name registered.)
7. **Prompt:** "Adding XXXXX... (Ex. "Mary's phone") (Registered voice tag). Is this correct?"
8. **Say:** [Beep] "Yes"
9. **Prompt:** "Home, Work, Mobile, or Other?"
10. **Say:** [Beep] "Mobile" (Say "Home", "Work", "Mobile", or "Other", for the desired location to be registered.)
11. **Prompt:** "Mobile (Location to be registered). Is this correct?"
12. **Say:** [Beep] "Yes"
13. **Prompt:** "Number, please."
14. **Say:** [Beep] "XXXXXXXXXXX" (Say the phone number to be registered.)
15. **Prompt:** "XXXXXXXXXXX (Phone number registration). After the beep, continue to add numbers, or say Go-Back to re-enter the last entered numbers, or press the Pick-Up button to save the number."
16. **(Registration)**
    Press the pick-up button or say "Enter", then go to Step 17.
    (Adding/inputting telephone number)
    Say, "XXXX" (desired telephone number), then go to Step 15.
    (Telephone number correction)
    Say, "Go Back". The prompt replies, "Go Back. The last entered numbers have been removed.". Then go back to Step 13.
17. **Prompt:** "Number saved. Would you like to add another number for this entry?"
18. **Say:** [Beep] "Yes" or "No".
19. If "Yes", an additional phone number registration can be made for the same entry.
    If "No", the system returns to standby status.

Information Provided by: DEALER E-PROCESS

Bluetooth Hands-Free (Voice Recognition)

Import contact

Phonebook data from your device (Mobile phone) can be sent and registered to your Bluetooth Hands-Free phonebook using Bluetooth.

1. Press the pick-up button (with/without navigation system) or talk button with a short press (without navigation system) or a long press (with navigation system).

NOTE

For vehicles with the navigation system, you can also press the talk button with a short press and say: [Beep] "Telephone" or "Phone".

2. **Say:** [Beep] "Phonebook"
3. **Prompt:** "Select one of the following: New entry, edit, list names, delete, erase all or import contact."
4. **Say:** [Beep] "Import contact"
5. **Prompt:** "The hands free System is ready to receive a contact from a phone. Only a home, a work, and a mobile number can be imported. This process requires operation of a mobile phone. Refer to the phone's manual for more information."
6. Device (Mobile phone) operation: Select one entry from the phonebook and send it using Bluetooth.
7. **Prompt:** "X (Number of locations which include data) numbers have been imported. What name would you like to use for these numbers?"
8. **Say:** [Beep] "XXXXX... (Ex. "Mary's phone")" (Say a voice tag for the name registered.)
9. **Prompt:** "Adding XXXXX... (Ex. "Mary's phone") (Voice tag). Is this correct?"
10. **Say:** [Beep] "Yes"
11. **Prompt:** "Number saved. Would you like to import another contact?"
12. **Say:** [Beep] "Yes" or "No"
13. If "Yes", the procedure proceeds to Step 5.
    If "No", the system returns to standby status.

Making calls using the phonebook

Telephone calls can be made by saying the name of a person (voice tag) whose phone number has been registered in Bluetooth Hands-Free in advance.
For the phonebook setting method, refer to (page 6-109).

1. Press the pick-up button (with/without navigation system) or talk button with a short press (without navigation system) or a long press (with navigation system).

NOTE

For vehicles with the navigation system, you can also press the talk button with a short press and say: [Beep] "Telephone" or "Phone".

2. **Say:** [Beep] "Call"
3. **Prompt:** "Name please."
4. **Say:** [Beep] "XXXXX... (Ex. "John's phone")" (Say a voice tag registered in the phonebook.)

Information Provided by: DEALER E-PROCESS

5. **Prompt:** “Calling XXXXX... (Ex. “John's phone”) XXXX (Ex. “at home”). Is this correct?” (Voice tag and phone number location registered in phonebook).
6. **Say:** [Beep] “Yes”
7. **Prompt:** “Dialing”

NOTE
The “Call” command and the voice tag can be combined.
Ex. In Step 2, say, “Call John's phone”, then, Steps 3 and 4 can be skipped.

▼Redialing Function

Redialing the number of the person previously dialed using the phone is possible.

1. Press the pick-up button (with/without navigation system) or talk button with a short press (without navigation system) or a long press (with navigation system).

NOTE
For vehicles with the navigation system, you can also press the talk button with a short press and say: [Beep] “Telephone” or “Phone”.

2. **Say:** [Beep] “Redial”
3. **Prompt:** “Dialing”

▼Emergency Calls

A call can be made to the emergency phone number (911: U.S.A/Canada, 066: Mexico) using the voice input command. It may not function properly in some areas in Mexico.

1. Press the pick-up button (with/without navigation system) or talk button with a short press (without navigation system) or a long press (with navigation system).

NOTE
For vehicles with the navigation system, you can also press the talk button with a short press and say: [Beep] “Telephone” or “Phone”.

2. **Say:** [Beep] “Emergency”
3. - USA/Canada vehicles - **Prompt:** “Dialing “911”, is this correct?”
   - Mexico vehicles - **Prompt:** “Dialing “066”, is this correct?”
4. **Say:** [Beep] “Yes”
5. **Prompt:** “Dialing”

▼Refusing an Incoming Call

For incoming call refusal, refer to “Receiving an incoming call” (page 6-104).

▼Mute

The microphone can be muted during a call.

1. Press the talk button with a short press.
2. **Say:** [Beep] “Mute”
3. **Prompt:** “Microphone muted”

Information Provided by: DEALER E-PROCESS

Canceling mute

1. Press the talk button with a short press.
2. **Say:** [Beep] “Mute off”
3. **Prompt:** “Microphone unmuted”

▼Transferring a Call

Transferring a call from Hands-Free to a device (Mobile phone)

Communication between the hands-free unit and a device (Mobile phone) is canceled, and the line can be switched to a standard call using a device (Mobile phone).

1. Press the talk button with a short press.
2. **Say:** [Beep] “Transfer call”
3. **Prompt:** “Transferred call to phone”

Transferring a call from a device (Mobile phone) to Hands-Free

Communication between devices (Mobile phone) can be switched to Bluetooth Hands-Free.

1. Press the talk button with a short press.
2. **Say:** [Beep] “Transfer call”
3. **Prompt:** “Transferred call to Hands Free system”

▼Multi-Call Functions

Call waiting

A call can be interrupted to receive an incoming call from a third party.

Call interrupt

A call can be switched to a new incoming call.

Method 1

1. Press the pick-up button.
2. **Prompt:** “Swapping calls.”

Method 2

1. Press the talk button with a short press.
2. **Say:** [Beep] “Swap calls”
3. **Prompt:** “Swapping calls”

NOTE

- *To refuse an incoming call, press the hang-up button.*
- *After receiving a new incoming call, the previous call is placed on hold.*

Switching calls

Switching back to the previous call can also be done.

Method 1

1. Press the pick-up button.
2. **Prompt:** “Swapping calls.”

Method 2

1. Press the talk button with a short press.
2. **Say:** [Beep] “Swap calls”
3. **Prompt:** “Swapping calls”

Three-way call function

1. Press the talk button with a short press.
2. **Say:** [Beep] “Join calls”
3. **Prompt:** “Joining calls”

Making a call using a telephone number

1. Press the talk button with a short press.
2. **Say:** [Beep] “Dial”
3. **Prompt:** “Number, please”

Information Provided by: DEALER E-PROCESS

4. **Say:** [Beep] “XXXXXXXXXXX (Telephone number)”
5. **Prompt:** “XXXXXXXXXXX. (Telephone number) After the beep, continue to add numbers, or say Go-Back to re-enter the last entered numbers, or press the Pick-Up button to execute dialing.”
6. **(Dialing)**
   Press the pick-up button or say “Dial”, then go to Step 7.
   (Adding/inputting telephone number)
   Say, “XXXX” (desired telephone number), then go to Step 5.
   (Telephone number correction)
   Say, “Go Back”. The prompt replies, “Go Back. The last entered numbers have been removed.”. Then go back to Step 3.
7. **Prompt:** “Dialing”

Making calls using the phonebook

1. Press the talk button with a short press.
2. **Say:** [Beep] “Call”
3. **Prompt:** “Name please.”
4. **Say:** [Beep] “XXXXX... (Ex. “John's phone”)” (Say a voice tag registered in the phonebook.)
5. **Prompt:** “Calling XXXXX... (Ex. “John's phone”) XXXX (Ex. “at home”). Is this correct?” (Voice tag and phone number location registered in phonebook).
6. **Say:** [Beep] “Yes”
7. **Prompt:** “Dialing”

Redialing function

1. Press the talk button with a short press.
2. **Say:** [Beep] “Redial”
3. **Prompt:** “Dialing”

Ending the current call

Press the hang-up button during the call.

▼Phonebook Settings

Editing phonebook

The data registered to the Bluetooth Hands-Free phonebook can be edited.

NOTE
Do this function only when parked. It is too distracting to attempt while driving and you may make too many errors to be effective.

1. Press the pick-up button (with/without navigation system) or talk button with a short press (without navigation system) or a long press (with navigation system).

NOTE
For vehicles with the navigation system, you can also press the talk button with a short press and say: [Beep] “Telephone” or “Phone”.

2. **Say:** [Beep] “Phonebook”
3. **Prompt:** “Select one of the following: New entry, edit, list names, delete, erase all or import contact.”
4. **Say:** [Beep] “Edit”
5. **Prompt:** “Please say the name of the entry you would like to edit or say, “List names”.”
6. **Say:** [Beep] “XXXXX... (Ex. “Mary's phone”)” (Say the voice tag for the registered name to be edited in the phonebook.)

Information Provided by: DEALER E-PROCESS

7. **Prompt:** “Home, Work, Mobile, or Other?”
8. **Say:** [Beep] “Home” (Say the registered location to be edited: “Home”, “Work”, “Mobile”, or “Other”).
9. **Prompt:** “XXXXX... (Ex. “Mary's phone”) (Registered voice tag) XXXX (Ex. “Home”) (Registered location). Is this correct?”
10. **Say:** [Beep] “Yes”
11. **Prompt:** “The current number is XXXXXXXXXX (Ex. “555-1234”) (Currently registered number). New number, please.”

NOTE
If there was no previous phone number registered to a location (Ex. “Work”), the prompt will only read out “Number, please”.

12. **Say:** [Beep] “XXXXXXXXXX (Ex. “555-5678”)” (Say the new phone number to be registered.)
13. **Prompt:** “XXXXXXXX (Telephone number) After the beep, continue to add numbers, or say Go-Back to re-enter the last entered numbers, or press the Pick-Up button to save the number.”
14. **(Number Change)**
    Press the pick-up button, then go to Step 15.
    (Adding/inputting telephone number)
    Say, “XXXX” (desired telephone number), then go to Step 13.
    (Telephone number correction)
    Say, “Go Back”. The prompt replies, “Go Back. The last entered numbers have been removed. Number, please.” . Then go back to Step 12.
15. **Prompt:** “Number changed.”

Phonebook data deletion

Erasing individual phonebook data

Individual data registered to the Bluetooth Hands-Free phonebook can be cleared.

NOTE
Do this function only when parked. It is too distracting to attempt while driving and you may make too many errors to be effective.

1. Press the pick-up button (with/without navigation system) or talk button with a short press (without navigation system) or a long press (with navigation system).

NOTE
For vehicles with the navigation system, you can also press the talk button with a short press and say: [Beep] “Telephone” or “Phone”.

2. **Say:** [Beep] “Phonebook”
3. **Prompt:** “Select one of the following: New entry, edit, list names, delete, erase all or import contact.”
4. **Say:** [Beep] “Delete”

Information Provided by: DEALER E-PROCESS

5. **Prompt:** “Please say the name of the entry you would like to delete or say, “List names”.”
6. **Say:** [Beep] “XXXXX... (Ex. “John's phone”)” (Say the registered voice tag to be deleted from the phonebook.)
7. **Prompt:** “Deleting XXXXX... (Ex. “John's phone”) (Registered voice tag) Home (Registered location). Is this correct?”
8. **Say:** [Beep] “Yes”
9. **Prompt:** “XXXXX... (Ex. “John's phone”) (Registered voice tag) Home (Registered location) deleted.”

Complete deletion of the phonebook data

All data registered to the Bluetooth Hands-Free phonebook can be erased.

NOTE
Do this function only when parked. It is too distracting to attempt while driving and you may make too many errors to be effective.

1. Press the pick-up button (with/without navigation system) or talk button with a short press (without navigation system) or a long press (with navigation system).

NOTE
For vehicles with the navigation system, you can also press the talk button with a short press and say: [Beep] “Telephone” or “Phone”.

2. **Say:** [Beep] “Phonebook”
3. **Prompt:** “Select one of the following: New entry, edit, list names, delete, erase all or import contact.”
4. **Say:** [Beep] “Erase all”
5. **Prompt:** “Are you sure you want to erase everything from your Hands Free system phonebook?”
6. **Say:** [Beep] “Yes”
7. **Prompt:** “You are about to delete everything from your Hands Free system phonebook. Do you want to continue?”
8. **Say:** [Beep] “Yes”
9. **Prompt:** “Please wait, erasing the Hands Free system phonebook.”
10. **Prompt:** “Hands-Free system phonebook erased.”

Read-out of names registered to the Bluetooth Hands-Free phonebook

Bluetooth Hands-Free can read out the list of names registered to its phonebook.

1. Press the pick-up button (with/without navigation system) or talk button with a short press (without navigation system) or a long press (with navigation system).

NOTE
For vehicles with the navigation system, you can also press the talk button with a short press and say: [Beep] “Telephone” or “Phone”.

2. **Say:** [Beep] “Phonebook”
3. **Prompt:** “Select one of the following: New entry, edit, list names, delete, erase all or import contact.”
4. **Say:** [Beep] “List names”
5. **Prompt:** “XXXXX..., XXXXX..., XXXXX... (Ex. “John's phone”, Mary's phone, Bill's phone)” (Voice guidance reads out the voice tags registered to the phonebook.)

Information Provided by: DEALER E-PROCESS

Press the talk button with a short press during the read-out at the desired name, and then say one of the following voice commands to execute it.

- "Continue": Continues the list read-out.
- "Call": Calls the registered phonebook data when the talk button is short-pressed.
- "Edit": Edits the registered phonebook data when the talk button is short-pressed.
- "Delete": Deletes the registered phonebook data when the talk button is short-pressed.
- "Previous": Returns to the previous phonebook data in read-out when the talk button is short-pressed.

6. **Prompt:** "End of list, would you like to start from the beginning?"
7. **Say:** [Beep] "No"

▼DTMF (Dual Tone Multi-Frequency Signal) Transmission

This function is used when transmitting DTMF via the user's voice. The receiver of a DTMF transmission is generally a home telephone answering machine or a company's automated guidance call center (When you send tone signals back according to the voice guidance recording).

1. Press the talk button with a short press.
2. **Say:** [Beep] "XXXX... send" (Say DTMF code)
3. **Prompt:** "Sending XXXX... (DTMF code)"

Hands-Free Setting

▼Device

Device registration

For the registration of a Bluetooth equipped device to Bluetooth Hands-Free, refer to "Bluetooth Hands-Free Preparation" (page 6-100).

Registered device read-out

Bluetooth Hands-Free can read-out the devices registered to its system.

NOTE

Do this function only when parked. It is too distracting to attempt while driving and you may make too many errors to be effective.

1. Press the pick-up button (with/without navigation system) or talk button with a short press (without navigation system) or a long press (with navigation system).

NOTE

For vehicles with the navigation system, you can also press the talk button with a short press and say: [Beep] "Telephone" or "Phone".

2. **Say:** [Beep] "Setup"
3. **Prompt:** "Select one of the following: Pairing options, confirmation prompts, language, passcode, select phone or select music player."
4. **Say:** [Beep] "Pairing options"
5. **Prompt:** "Available options are: Pair, Edit, Delete, List, or Set Pairing Code."
6. **Say:** [Beep] "List"

Information Provided by: DEALER E-PROCESS

7. **Prompt:** “XXXXX..., XXXXX..., XXXXX... (Ex. Device A, device B, device C)” (The voice guidance reads out the device tags registered to the hands-free system.)

Press the talk button with a short press during the read-out at the desired device, and then say one of the following voice commands to execute it.

- “Select phone”: Selects device (Mobile phone) when the talk button is short-pressed.
- “Select music player”: Selects device (Music player) when the talk button is short-pressed.
- “Edit”: Edits device when the talk button is short-pressed.
- “Continue”: Continues the list read-out.
- “Delete”: Deletes the registered device when the talk button is short-pressed.
- “Previous”: Returns to the previous device in read-out when the talk button is short-pressed.

8. **Prompt:** “End of list, would you like to start from the beginning?”
9. **Say:** [Beep] “No”

Device selection

If several devices have been programmed, the Bluetooth unit links the device last connected. If you would like to link a different programmed device, it is necessary to change the link. The order of device priority after the link has been changed is maintained even when the ignition is switched off.

Hands-free phone

1. Press the pick-up button (with/without navigation system) or talk button with a short press (without navigation system) or a long press (with navigation system).

NOTE

For vehicles with the navigation system, you can also press the talk button with a short press and say: [Beep] “Telephone” or “Phone”.

2. **Say:** [Beep] “Setup”
3. **Prompt:** “Select one of the following: Pairing options, confirmation prompts, language, passcode, select phone or select music player.”
4. **Say:** [Beep] “Select phone”
5. **Prompt:** “Please say the name of the device you would like to select. Available devices are XXXXX... (Ex. device A), XXXXX... (Ex. device B), XXXXX... (Ex. device C). Which device please?”
6. **Say:** [Beep] “XXXXX... (Ex. Device B)”
7. **Prompt:** “XXXXX... (Ex. Device B). Is this correct?”
8. **Say:** [Beep] “Yes” or “No”
9. If “Yes”, go to Step 10. If “No”, the procedure returns to Step 5.
10. **Prompt:** “XXXXX... (Ex. Device B) selected.”

Information Provided by: DEALER E-PROCESS

Music player

1. Press the pick-up button (with/without navigation system) or talk button with a short press (without navigation system) or a long press (with navigation system).

NOTE
For vehicles with the navigation system, you can also press the talk button with a short press and say: [Beep] "Telephone" or "Phone".

2. **Say:** [Beep] "Setup"
3. **Prompt:** "Select one of the following: Pairing options, confirmation prompts, language, passcode, select phone or select music player."
4. **Say:** [Beep] "Select music player"
5. **Prompt:** "Please say the name of the device you would like to select. Available devices are XXXXX... (Ex. device A), XXXXX... (Ex. device B), XXXXX... (Ex. device C). Which device please?"
6. **Say:** [Beep] "XXXXX... (Ex. Device B)"
7. **Prompt:** "XXXXX... (Ex. Device B). Is this correct?"
8. **Say:** [Beep] "Yes" or "No"
9. If "Yes", go to Step 10. If "No", the procedure returns to Step 5.
10. **Prompt:** "XXXXX... (Ex. Device B) selected."

NOTE
- ***(Type A)***
  Device (Music player) selection can also be done by operating the panel button (page 6-80).
- ***(Type B)***
  Device (Music player) selection can also be done by operating the panel button (page 6-89).

Registered device (Mobile phone) deletion

Registered devices (Mobile phone) can be deleted individually or collectively.

NOTE
Do this function only when parked. It is too distracting to attempt while driving and you may make too many errors to be effective.

1. Press the pick-up button (with/without navigation system) or talk button with a short press (without navigation system) or a long press (with navigation system).

NOTE
For vehicles with the navigation system, you can also press the talk button with a short press and say: [Beep] "Telephone" or "Phone".

2. **Say:** [Beep] "Setup"
3. **Prompt:** "Select one of the following: Pairing options, confirmation prompts, language, passcode, select phone or select music player."
4. **Say:** [Beep] "Pairing options"
5. **Prompt:** "Available options are: Pair, Edit, Delete, List, or Set Pairing Code."

NOTE
A registered device (Mobile phone) can be deleted using the registration list.

Information Provided by: DEALER E-PROCESS

6. **Say:** [Beep] “Delete”
7. **Prompt:** “Please say the name of the device you would like to delete. Available devices are XXXXX... (Ex. device A), XXXXX... (Ex. device B), XXXXX... (Ex. device C), or all. Which device please?”
8. **Say:** [Beep] “X” (Say the number of the device to be deleted.)

NOTE
Say “All” to delete all devices (Mobile phone).

9. **Prompt:** “Deleting XXXXX... (Ex. device B...) (Registered device tag). Is this correct?”
10. **Say:** [Beep] “Yes”
11. **Prompt:** “Deleted”

Registered device editing

1. Press the pick-up button (with/without navigation system) or talk button with a short press (without navigation system) or a long press (with navigation system).

NOTE
For vehicles with the navigation system, you can also press the talk button with a short press and say: [Beep] “Telephone” or “Phone”.

2. **Say:** [Beep] “Setup”
3. **Prompt:** “Select one of the following: Pairing options, confirmation prompts, language, passcode, select phone or select music player.”
4. **Say:** [Beep] “Pairing options”
5. **Prompt:** “Available options are: Pair, Edit, Delete, List, or Set Pairing Code.”
6. **Say:** [Beep] “Edit”
7. **Prompt:** “Please say the name of the device you would like to edit. Available devices are XXXXX... (Ex. device A), XXXXX... (Ex. device B), XXXXX... (Ex. device C). Which device please?”
8. **Say:** [Beep] “X” (Say the number of the device to be edited.)
9. **Prompt:** “New name please?”
10. **Say:** [Beep] “XXXXX... (Ex. device C)” (Speak a “device tag”, an arbitrary name for the device.)
11. **Prompt:** “XXXXX... (Ex. device C) (Device tag), is this correct?”
12. **Say:** [Beep] “Yes”
13. **Prompt:** “New name saved.”

▼Security Setting

If a passcode is set, the system cannot be activated unless the passcode is input.

NOTE
Do this function only when parked. It is too distracting to attempt while driving and you may make too many errors to be effective.

Passcode setting

1. Press the pick-up button (with/without navigation system) or talk button with a short press (without navigation system) or a long press (with navigation system).

NOTE
For vehicles with the navigation system, you can also press the talk button with a short press and say: [Beep] “Telephone” or “Phone”.

2. **Say:** [Beep] “Setup”

Information Provided by: DEALER E-PROCESS

3. **Prompt:** “Select one of the following: Pairing options, confirmation prompts, language, passcode, select phone or select music player.”
4. **Say:** [Beep] “Passcode”
5. **Prompt:** “Passcode is disabled. Would you like to enable it?”
6. **Say:** [Beep] “Yes”
7. **Prompt:** “Please say a 4-digit passcode. Remember this passcode. It will be required to use this system.”
8. **Say:** [Beep] “XXXX” (Say a desired 4-digit passcode, “PCode”.)
9. **Prompt:** “Passcode XXXX (Passcode, PCode). Is this correct?”
10. **Say:** [Beep] “Yes”
11. **Prompt:** “Passcode is enabled.”

Using Bluetooth Hands-Free with a passcode

1. Press the pick-up button (with/without navigation system) or talk button with a short press (without navigation system) or a long press (with navigation system).

NOTE
For vehicles with the navigation system, you can also press the talk button with a short press and say: [Beep] “Telephone” or “Phone”.

2. **Prompt:** “Hands-Free system is locked. State the passcode to continue.”
3. **Say:** [Beep] “XXXX” (Say the set passcode “PCode”.)
4. If the correct passcode is input, voice guidance “XXXXXX... (Ex. “Mary's device) (Device tag) is connected” is announced.
   If the passcode is incorrect, voice guidance “XXXX (4-digit passcode, Pcode) incorrect passcode, please try again” is announced.

Canceling the passcode

NOTE
Do this function only when parked. It is too distracting to attempt while driving and you may make too many errors to be effective.

1. Press the pick-up button (with/without navigation system) or talk button with a short press (without navigation system) or a long press (with navigation system).

NOTE
For vehicles with the navigation system, you can also press the talk button with a short press and say: [Beep] “Telephone” or “Phone”.

2. **Say:** [Beep] “Setup”
3. **Prompt:** “Select one of the following: Pairing options, confirmation prompts, language, passcode, select phone or select music player.”
4. **Say:** [Beep] “Passcode”
5. **Prompt:** “Passcode is enabled. Would you like to disable it?”
6. **Say:** [Beep] “Yes”
7. **Prompt:** “Passcode is disabled.”

Information Provided by: DEALER E-PROCESS

Confirmation Prompts

The confirmation prompt confirms the command content to the user before advancing to the operation requested by the user. When this function is turned on, the system reads out the voice input command previously received and confirms whether the command is correct before advancing to the command execution.
When the confirmation prompt function is turned on:
(Ex. “Calling John's device. Is this correct?”)
When the confirmation prompt function is turned off:
(Ex. “Calling John's device.”)

NOTE

If the confirmation prompt function is turned off when making an emergency call, the system reads out and confirms the command before executing it.

1. Press the pick-up button (with/without navigation system) or talk button with a short press (without navigation system) or a long press (with navigation system).

NOTE

For vehicles with the navigation system, you can also press the talk button with a short press and say: [Beep] “Telephone” or “Phone”.

2. **Say:** [Beep] “Setup”
3. **Prompt:** “Select one of the following: Pairing options, confirmation prompts, language, passcode, select phone or select music player.”
4. **Say:** [Beep] “Confirmation prompts”
5. **Prompt:** “Confirmation prompts are on/off. Would you like to turn confirmation prompts off/on?”
6. **Say:** [Beep] “Yes”
7. **Prompt:** “Confirmation prompts are off/on.”

▼Voice Recognition Learning Function (Speaker Enrollment)

The voice recognition learning function enables voice recognition appropriate to the characteristics of the user's voice.
If the recognition of the voice input commands to the system is not adequate, this function can largely improve the system's voice recognition of the user. If your voice can be recognized sufficiently without using this function, you may not realize the added benefit of the function.
To register your voice, the voice input command list must be read out. Read out the list when the vehicle is parked.
Perform the registration in as quiet a place as possible (page 6-97).
The registration must be performed completely. The required time is a few minutes. The user needs to be seated in the driver's seat with the voice input command list for voice recognition learning open to the page indicated below.

When voice recognition learning is done for the first time

1. Press the pick-up button (with/without navigation system) or talk button with a short press (without navigation system) or a long press (with navigation system).

Information Provided by: DEALER E-PROCESS

Bluetooth Hands-Free (Voice Recognition)

NOTE
For vehicles with the navigation system, you can also press the talk button with a short press and say: [Beep] "Telephone" or "Phone".

2. **Say:** [Beep] "Voice training"
3. **Prompt:** "This operation must be performed in a quiet environment while the vehicle is stopped. See the owner's manual for the list of required training phrases. Press and release the talk button when you are ready to begin. Press the hangup button to cancel at any time."
4. Press the talk button with a short press.
5. The voice guidance reads out the voice input command number (refer to the voice input command list for voice recognition learning). (Ex. "Please read phrase 1")
6. **Say:** [Beep] "0123456789" (Say the voice input command for voice recognition learning (1 to 8) according to the voice guidance.)
7. **Prompt:** "Speaker enrollment is complete."

NOTE
If an error occurred in the voice recognition learning, re-learning can be done by pressing the talk button with a short press.

Voice recognition re-learning

If voice recognition learning has already been done.

1. Press the pick-up button (with/without navigation system) or talk button with a short press (without navigation system) or a long press (with navigation system).

NOTE
For vehicles with the navigation system, you can also press the talk button with a short press and say: [Beep] "Telephone" or "Phone".

2. **Say:** [Beep] "Voice training"
3. **Prompt:** "Enrollment is enabled/ disabled. Would you like to disable/ enable or retrain?"
4. **Say:** [Beep] "Retrain"
5. **Prompt:** "This operation must be performed in a quiet environment while the vehicle is stopped. See the owner's manual for the list of required training phrases. Press and release the talk button when you are ready to begin. Press the hangup button to cancel at any time."
6. Press the talk button with a short press.
7. The voice guidance reads out the voice input command number (refer to the voice input command list for voice recognition learning). (Ex. "Please read phrase 1")
8. **Say:** [Beep] "0123456789" (Say the voice input command for voice recognition learning (1 to 8) according to the voice guidance.)
9. **Prompt:** "Speaker enrollment is complete."

NOTE
If an error occurred in the voice recognition learning, re-learning can be done by pressing the talk button with a short press.

Information Provided by: DEALER E-PROCESS

Voice input command list for voice recognition learning

When reading out, the following points must be observed:

- Read out the numbers one at a time correctly and naturally.

(For example, “1234” must be read out “one, two, three, four”, not “twelve, thirty four”.)

- Do not read out parentheses. “ (” and hyphens “-” are used for separating numbers in a phone number.

Ex.
“ (888) 555-1212” must be spoken “Eight, eight, eight, five, five, five, one, two, one, two.”

Phrase	Command
1	0123456789
2	(888) 555-1212
3	Call
4	Dial
5	Setup
6	Cancel
7	Continue
8	Help

NOTE

- *The applicable phrase appears in the display.*
- *After user voice registration is completed, voice guidance “Speaker enrollment is complete” is announced.*

Voice recognition learning on/off

1. Press the pick-up button (with/without navigation system) or talk button with a short press (without navigation system) or a long press (with navigation system).

NOTE

For vehicles with the navigation system, you can also press the talk button with a short press and say: [Beep] “Telephone” or “Phone”.

2. **Say:** [Beep] “Voice training”
3. **Prompt:** “Enrollment is enabled/ disabled. Would you like to disable/ enable or retrain?”
4. **Say:** [Beep] “Disable” or “Enable”
5. When “Disable” is spoken, the voice recognition learning is turned off. When “Enable” is spoken, the voice recognition learning is turned on.
6. **Prompt:** “Speaker Enrollment is disabled/enabled.”

Information Provided by: DEALER E-PROCESS

When Bluetooth Hands-Free Cannot be Used

Bluetooth Hands-Free cannot be used under the following conditions:

- The device is outside of the communication area.
- The device has a malfunction.
- The device is not connected to the hands-free unit equipped on the vehicle.
- The device's battery is weak.
- The device is turned off.
- The device is placed where radio reception is difficult.
- The ignition is switched off.

Safety Certification

FCC ID: CB2MBLUEC09 IC:279B-MBLUEC09
This device complies with Part 15 of the FCC Rules and with RSS-210 of Industry Canada. Operation is subject to the following two conditions:
(1) This device may not cause harmful interference, and
(2) This device must accept any interference received, including interference that may cause undesired operation.

⚠ WARNING

Changes or modifications not expressively approved by the party responsible for compliance could void the user's authority to operate the equipment.

The term “IC: ” before the radio certification number only signifies that Industry Canada technical specifications were met.
The antenna used for this transmitter must not be co-located or operating in conjunction with any other antenna or transmitter. End-users and installers must be provided with installation instructions and transmitter operating conditions for satisfying RF exposure compliance.

Information Provided by: DEALER E-PROCESS

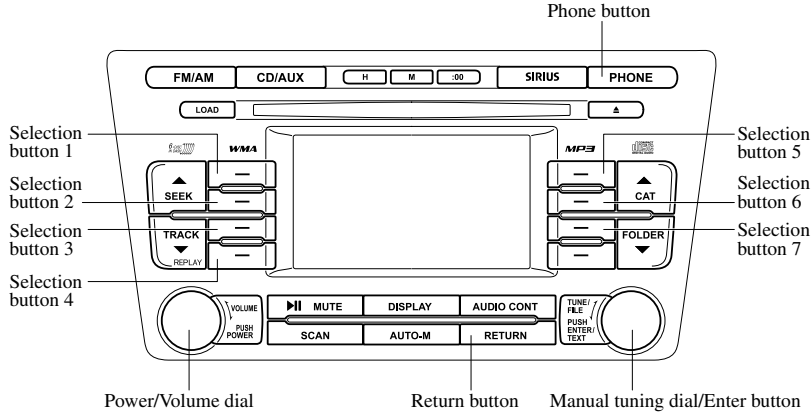
Mazda Bluetooth Hands-Free Customer Service

- U.S.A.
  Phone: 800-430-0153 (Toll-free)
  www.MazdaUSA.com/bluetooth
- Canada
  Phone: 800-430-0153 (Toll-free)
  www.mazdahandsfree.ca
- Mexico
  Center of Attention to Client (CAC)
  Phone: 01-800-01-MAZDA (Toll-free)
  www.MazdaUSA.com/bluetooth

Information Provided by: DEALER E-PROCESS

Bluetooth Hands-Free (Panel Operation)

Bluetooth Hands-Free*



▼What is Bluetooth Hands-Free?

Bluetooth Hands-Free Outline

By connecting a Bluetooth equipped device (Mobile phone) to the hands-free unit equipped on the vehicle, making and receiving calls are possible using the audio unit, and the pick-up and hang-up buttons located on the steering wheel.

⚠ WARNING

Perform phonebook registration related operations while the vehicle is parked:

Performing phonebook registration while driving the vehicle could be a distraction to your driving and result in an accident. In addition, a mistake in performing the phonebook operation could result in the loss of important data.

Bluetooth equipped device (Mobile phone)

A Bluetooth equipped device (Mobile phone) communicates with the hands-free unit equipped on the vehicle using radio transmission (Bluetooth).
For example, if the device (Mobile phone) is placed in a coat pocket, the phone calls can be made through your mobile service without taking out and handling the device (Mobile phone).

 *Some models.

Information Provided by: DEALER E-PROCESS

⚠ CAUTION

The types of devices (Mobile phone) which can be connected to the hands-free unit are limited. Therefore, before purchasing or changing your device (Mobile phone) model, consult Mazda Bluetooth Hands-Free Customer Service or visit www.MazdaUSA.com/bluetooth for a complete list of compatible phones. Devices (Mobile phone) which can be connected to the hands-free system need to be compliant with Bluetooth specifications and the appropriate profile. However, even among these Bluetooth devices (Mobile phone) are some which will not connect with your Mazda or will have limited function. Therefore, consult Mazda Bluetooth Hands-Free Customer Service for information regarding device (Mobile phone) compatibility:

- *U.S.A.*
  Phone: 800-430-0153
  Web: www.MazdaUSA.com/bluetooth
- *Canada*
  Phone: 800-430-0153
  Web: www.mazdahandsfree.ca
- *Mexico*
  Center of Attention to Client (CAC)
  Phone: 01-800-01-MAZDA
  Web: www.MazdaUSA.com/bluetooth

Applicable Bluetooth specification
Ver. 2.0 or higher
Response profile
- HFP (Hands Free Profile) Ver. 1.5
- DUN (Dial-up Networking Profile) Ver. 1.1
- PBAP (Phone Book Access Profile) Ver. 1.0
- A2DP (Advanced Audio Distribution Profile) Ver. 1.0
- OPP (Object Push Profile) Ver. 1.1

Bluetooth® is the registered trademark of Bluetooth SIG. Inc.

NOTE
- *The Bluetooth Hands-Free system is operable several seconds after the ignition is switched to ACC or ON (requires less than 15 seconds).*
- *If the ignition is switched off during a hands-free call, the line is transferred to the device (Mobile phone) automatically.*
- *If the device (Mobile phone) is in a location where radio reception is difficult such as a metal container or in the trunk, the call may not be connected using Bluetooth. If communication is not possible, change the location of the device (Mobile phone).*

▼Component Parts

Bluetooth Hands-Free consists of the following items:
- Audio unit
- Pick-up button
- Hang-up button

Audio unit

The audio unit can be used for Bluetooth Hands-Free activation, making calls, hanging up, device programming, device selection, device deletion, device information display, import contact, and volume adjustment.

Information Provided by: DEALER E-PROCESS

Pick-up button and Hang-up button

Basic functions of Bluetooth Hands-Free can be used for such things as making calls or hanging up using the pick-up button and hang-up button on the steering wheel.

▼How to Use This Section

Bluetooth Hands-Free activation method

Press the phone button (**PHONE**).

The hands-free system is activated. Functions of the hands-free telephone, such as making and receiving calls, can be used after the activation. (For details on the telephone functions, refer to "Basic Bluetooth Hands-Free Operation" or "Convenient Use of the Hands-Free System".)

Basic Bluetooth Hands-Free Operation

▼Bluetooth Hands-Free Preparation

Device programming (Pairing)

To use Bluetooth Hands-Free, the device equipped with Bluetooth has to be programmed to the hands-free unit using the following procedure.
A maximum of seven devices including hands-free mobile phones and Bluetooth audio devices can be programmed to one vehicle.

Information Provided by: DEALER E-PROCESS

NOTE

- *A device can be programmed only when the vehicle is parked. If the vehicle starts to move, the pairing procedure will end. Programming is dangerous while driving - pair up your device before you start driving. Park the car in a safe place before programming.*
- *A total of seven devices can be programmed to one vehicle. If you require an additional device to be programmed to a vehicle with seven devices already programmed, delete one of the programmed devices before programming the latest one.*
- *If a Bluetooth device has already been programmed to the vehicle as a Bluetooth audio device, it does not need to be programmed again when using the device as a hands-free mobile phone. Conversely, it does not need to be programmed again as a Bluetooth audio device if it has already been programmed as a hands-free mobile phone.*
- *Since the communication range of a Bluetooth equipped device is about 10 meters (32 ft), if a device is placed within a 10-meter (32 ft) radius of the vehicle, it may be detected/programmed unintentionally while another device is being programmed.*
- *Device registration can also be done by operating the audio unit. Refer to "Bluetooth Audio Preparation" (page 6-89).*
- *Device registration can also be done using voice recognition (page 6-100).*
- *Depending on the device, the registration status may be lost after a certain period of time. If this occurs, repeat the entire process from Step 1.*

Programming a Bluetooth Hands-Free device which has a PIN code (four digits)

1. Press selection button 6 to display the Bluetooth Hands-Free setting menu screen.
2. Press selection button 2 to display the pairing program screen.
3. "Enter Pin:0000" and "Rotate/Press TUNE dial to change code. Select "OK" when complete." are displayed for input of the PIN code.
4. Turn the manual tuning dial to select the specified number for the Bluetooth Hands-Free device and press the enter button (**ENTER**) to input the number.

NOTE

- *Some devices accept only a particular pairing code (Usually, "0000" or "1234").*
- *If pairing cannot be completed, refer to the owner's manual of your mobile device, and try those numbers if necessary.*

5. After inputting the four digits, turn the manual tuning dial and select "OK", and then press the enter button (**ENTER**) to set the four digits and display "Pairing is in progress. Please start pairing procedure on your Bluetooth device. Use the PIN "xxxx".".

NOTE

*Press the return button (**RETURN**) to return to the pairing program screen.*

Information Provided by: DEALER E-PROCESS

6. Operate the Bluetooth Hands-Free device while
“Pairing is in progress. Please start pairing procedure on your Bluetooth device. Use the PIN “xxxx”.” is displayed and set it to the program mode.
7. When the pairing programming is completed, a “☎ ” symbol and “Pairing complete” are displayed, and then the display returns to the normal display.
If an error occurs during program pairing, “Error” is displayed and the display returns to the pairing program screen.

Programming a Bluetooth Hands-Free device which does not have a PIN code (four digits)

1. Press selection button 6 to display the Bluetooth Hands-Free setting menu screen.
2. Press selection button 2 to display the pairing program screen.
3. “Enter Pin:0000” and “Rotate/Press TUNE dial to change code. Select “OK” when complete.” are displayed for input of the PIN code.
4. Turn the manual tuning dial and select “OK”, and then press the enter button (**ENTER**) to set the four digits and display
“Pairing is in progress. Please start pairing procedure on your Bluetooth device. Use the PIN “0000”.”.

NOTE
*Press the return button (**RETURN**) to return to the pairing program screen.*

5. Operate the Bluetooth Hands-Free device while
“Pairing is in progress. Please start pairing procedure on your Bluetooth device. Use the PIN “0000”.” is displayed and set it to the program mode.
6. The Bluetooth Hands-Free device will request input of a PIN code. Input “0000”.
7. When the pairing programming is completed, a “☎ ” symbol and “Pairing complete” are displayed, and then the display returns to the normal display.
If an error occurs during program pairing, “Error” is displayed and the display returns to the pairing program screen.

NOTE
If pairing cannot be completed, try “1234” instead. Refer to the owner's manual of your mobile device for the right PIN code.

▼Making a Call Using a Telephone Number

NOTE
Practice this while parked until you are confident you can do it while driving in a non-taxing road situation. If you are not completely comfortable, make all calls from a safe parking position, and move out only when fully under control and you can devote your eyes and mind to driving.

Information Provided by: DEALER E-PROCESS

1. Turn the manual tuning dial to select a number and then press the enter button (ENTER) to input the number.
2. After inputting the telephone number, press selection button 1 or the pick-up button of the audio control switch to make a call.

▼Receiving an Incoming Call

Receiving an incoming call

Press selection button 1 or the pick-up button of the audio control switch.

Refusing an incoming call

Press selection button 5 or the hang-up button of the audio control switch.

▼Hanging Up a Call

Press selection button 5 or the hang-up button of the audio control switch during a call.

▼Volume Adjustment

The power/volume dial of the audio unit is used to adjust the volume.

Increasing volume

Turn the power/volume dial clockwise.

Decreasing volume

Turn the power/volume dial counterclockwise.

NOTE

- *The volume can be adjusted using the volume switch of the audio control switch.*
- *The music volume of the audio unit cannot be adjusted while Bluetooth Hands-Free is being used.*

Convenient Use of the Hands-Free System

▼Phonebook Usage

NOTE

Do this function only when parked. It is too distracting to attempt while driving and you may make too many errors to be effective.

Import contact

Phonebook data from your device (Mobile phone) can be sent and registered to your Bluetooth Hands-Free phonebook using Bluetooth.

NOTE

When the import begins, the previous phonebook data is deleted. The previous phonebook data remains deleted even if the operation is canceled during the import.

1. Press selection button 7 to display the Bluetooth Hands-Free phonebook import screen.
   “It takes time to import.” is displayed.
2. Press selection button 1 and select “Start” to start import.
   “Importing” is displayed.

NOTE

If you want to cancel the import, press selection button 2 and select “Cancel”. The phonebook data being imported is deleted.

3. When import is completed, the Bluetooth Hands-Free phonebook screen is displayed.

Phonebook data deletion

1. Press selection button 7 to display the Bluetooth Hands-Free phonebook import screen.
   “It takes time to import.” is displayed.

Information Provided by: DEALER E-PROCESS

2. Press selection button 1 and select “Start” to start import. “Importing” is displayed.
3. Before the import is completed, press selection button 2 and select “Cancel”. The phonebook data is deleted, and the screen returns to the normal display after “Importing has been cancelled.” is displayed.

Making calls using the phonebook

1. Press selection button 2 to display the Bluetooth Hands-Free phonebook screen.
2. Turn the manual tuning dial to select a list and then press the enter button (**ENTER**) to display the Bluetooth Hands-Free phonebook screen containing the detailed information recorded.

NOTE
Press each selection button to display the alphabetical sequence for the selection button selected.
- *Each time the selection button is pressed a letter is displayed in alphabetical order. (Ex. selection button 1: A → B → C → A)*
- *Each time selection button 8 is pressed, the display shows the last four letters of the alphabet (W, X, Y, Z), followed by symbols, and then numerals.*

3. Press selection button 1, 2, 3, or 4 to make a call.

Voice tag addition

1. Press selection button 2 to display the Bluetooth Hands-Free phonebook screen.
2. Turn the manual tuning dial to select a list and then press the enter button (**ENTER**) to display the Bluetooth Hands-Free phonebook screen containing the detailed information recorded.

NOTE
Press each selection button to display the alphabetical sequence for the selection button selected.
- *Each time the selection button is pressed a letter is displayed in alphabetical order. (Ex. selection button 1: A → B → C → A)*
- *Each time selection button 8 is pressed, the display shows the last four letters of the alphabet (W, X, Y, Z), followed by symbols, and then numerals.*

3. Press selection button 5 to display “Voice Tag will be recorded in phonebook. After completion, this Voice Tag will be available with “Call” command.”.

NOTE
- *Descriptions in the text are as follows:*
  - ***Say:** Voice commands to be spoken by you.*
  - ***Prompt:** Voice guidance output from the speaker.*
- *Say voice commands after the beep sound [Beep] is heard.*

4. **Prompt:**
   “Adding a voice tag allows you to access a contact using the CALL command. After the beep, say the name you would like to use for this contact.”

NOTE
If you want to cancel a voice tag registration, press selection button 1.

Information Provided by: DEALER E-PROCESS

5. **Say:** [Beep] XXXXX... (Ex. “Mary's phone”)” (Say a voice tag for the name registered.)
6. **Prompt:** “Adding XXXXX... (Ex. “Mary's phone”) (Registered voice tag). Is this correct?”
7. **Say:** [Beep] “Yes”
8. When a voice tag registration is completed, the display returns to the Hands-Free phonebook screen.

▼Mute

The microphone can be muted during a call.

Press selection button 3.

▼Transferring a Call

Transferring a call from Hands-Free to a device (Mobile phone)

Press selection button 2.

▼Outgoing Call Records

A maximum of six outgoing call records are displayed.
Making phone calls using the outgoing call record or deleting one or all outgoing call records is possible.

Making a call using the outgoing call record

1. Press selection button 3 to display the outgoing call record screen.
2. Press the desired selection button of the outgoing call record.
   The content of the outgoing call record is displayed.
3. Press selection button 1 or the pick-up button of the audio control switch to make a call.

Deleting one outgoing call record

1. Press selection button 3 to display the outgoing call record screen.
2. Press the desired selection button of the outgoing call record.
   The content of the outgoing call record is displayed.
3. Press selection button 2 to display “Delete recent outgoing call?”.
4. Press selection button 1 to delete the outgoing call record.

NOTE
*Press the return button (*RETURN *) to return to the previous display.*

Deleting all the outgoing call records

1. Press selection button 3 to display the outgoing call record screen.
2. Press selection button 5 to display “Delete all recent outgoing calls?”.
3. Press selection button 1 to delete all outgoing call records.

NOTE
*Press the return button (*RETURN *) to return to the previous display.*

▼Incoming Call Records

A maximum of six incoming call records are displayed.
Making phone calls using the incoming call record or deleting one or all incoming call records is possible.

Information Provided by: DEALER E-PROCESS

Making a call using the incoming call record

1. Press selection button 4 to display the incoming call record screen.
2. Press the desired selection button of the incoming call record.
   The content of the incoming call record is displayed.
3. Press selection button 1 or the pick-up button of the audio control switch to make a call.

Deleting one incoming call record

1. Press selection button 4 to display the incoming call record screen.
2. Press the desired selection button of the incoming call record.
   The content of the incoming call record is displayed.
3. Press selection button 2 to display “Delete recent incoming call?”.
4. Press selection button 1 to delete the incoming call record.

NOTE

*Press the return button (**RETURN**) to return to the previous display.*

Deleting all the incoming call records

1. Press selection button 4 to display the incoming call record screen.
2. Press selection button 5 to display “Delete all recent incoming calls?”.
3. Press selection button 1 to delete all the incoming call records.

NOTE

*Press the return button (**RETURN**) to return to the previous display.*

▼DTMF (Dual Tone Multi-Frequency Signal) Transmission

This function is used when transmitting DTMF via the audio control panel's manual tuning dial.
The receiver of a DTMF transmission is generally a home telephone answering machine or a company's automated guidance call center.

1. Press selection button 4 after connecting to a home device or service to display the tone transmission screen.
2. Turn the manual tuning dial to select a number or symbol and then press the enter button (**ENTER**) to transmit the code.

NOTE

If the DTMF code has two or more digits or symbols, each one must be transmitted individually.

Information Provided by: DEALER E-PROCESS

Hands-Free Setting

▼Device

Device registration

For the registration of a Bluetooth equipped device to Bluetooth Hands-Free, refer to
"Bluetooth Hands-Free Preparation" (page 6-124).

Device selection

If several devices have been programmed, the Bluetooth unit links the device last programmed. If you would like to link a different programmed device, it is necessary to change the link. The order of device priority after the link has been changed is maintained even when the ignition is switched off.

NOTE
If the device name cannot be displayed, "..." is added at the end to the part of the title which can be displayed.

Changing the link to only a Bluetooth Hands-Free device

1. Press selection button 6 to display the Bluetooth Hands-Free setting menu screen.
2. Press selection button 3 to display the link change screen and the current pairing programming device name.
3. Press selection button 1, 2, 3, 4, 5, 6, or 7 to select the name of the device you would like to change.
   The "☎ " symbol disappears, and the device name and
   "Connection is in progress." are displayed.

NOTE
*Press the return button (*RETURN *) to return to the link change screen.*

4. When the link change is completed, a "☎ " symbol and "Link Changed" are displayed, and then it returns to the normal display.
   If an error occurs while trying to link a device, "Error" is displayed and the display returns to the link change screen.

NOTE
If a link error occurs, check the programming status of the Bluetooth Hands-Free device and the location of the device in the vehicle (not in the trunk or a metal-type box), and then try the link operation again.

Changing the link to a Bluetooth Hands-Free and Bluetooth audio device

1. Press selection button 6 to display the Bluetooth Hands-Free setting menu screen.
2. Press selection button 3 to display the link change screen and the present pairing programming device name.
3. Press selection button 1, 2, 3, 4, 5, 6, or 7 to select the name of the device you would like to change.
4. The device name and
   "Please Select Device" are displayed.
5. Press selection button 2 to select "Phone". The "☎ " symbol disappears, and then "Connection is in progress." is displayed.

NOTE
*Press the return button (*RETURN *) to return to the link change screen.*

Information Provided by: DEALER E-PROCESS

6. When the link change is completed, a "☎ " symbol and "Link Changed" are displayed, and then it returns to the normal display.
   If an error occurs while trying to change the link, "Error" is displayed, and then it returns to the link change screen.

NOTE

- *If a link error occurs, check the programming status of the Bluetooth Hands-Free device and the location of the device in the vehicle (not in the trunk or a metal-type box), and then try the link operation again.*
- *Device (Music player) selection can also be done by operating the panel button (page 6-89).*

Registered device (Mobile phone) deletion

An individually registered device can be cleared.

NOTE

- *Do this function only when parked. It is too distracting to attempt while driving and you may make too many errors to be effective.*
- *If the device name and Bluetooth address cannot be displayed, "..." is added at the end to the part of the title which can be displayed.*

1. Press selection button 6 to display the Bluetooth Hands-Free setting menu screen.
2. Press selection button 4 to display the pair link deletion screen and the current pairing programming device name.
3. Press selection button 1, 2, 3, 4, 5, 6, or 7 to select the name of the device you would like to change.
4. The link delete confirmation screen is displayed, and then "Delete select device?", the device name, and the Bluetooth address are displayed.
5. Press selection button 1 to delete the selected device.

NOTE

*Press the return button (**RETURN**) to return to the previous display.*

6. When the link deletion is completed, "Deleted" is displayed, and then it returns to the normal display.
   If an error occurs while trying to delete the link, "Error" is displayed, and then it returns to the link deletion screen.

NOTE

If a device is deleted while it is being linked, linking to other devices will not be possible.

Bluetooth Hands-Free device information display

1. Press selection button 6 to display the Bluetooth Hands-Free setting menu screen.
2. Press selection button 6 to display the device information display screen.
   If the device information is available, the device name and Bluetooth address are displayed, and then it returns to the Bluetooth Hands-Free setting menu screen.
   If the device information is not available,
   "Failed to obtain device information." is displayed, and then it returns to the Bluetooth Hands-Free setting menu screen.

Information Provided by: DEALER E-PROCESS

NOTE
If the device name and Bluetooth address cannot be displayed, "..." is added at the end to the part of the title which can be displayed.

When Bluetooth Hands-Free Cannot be Used

Bluetooth Hands-Free cannot be used under the following conditions:

- The device is outside of the communication area.
- The device has a malfunction.
- The device is not connected to the hands-free unit equipped on the vehicle.
- The device's battery is weak.
- The device is turned off.
- The device is placed where radio reception is difficult.
- The ignition is switched off.

Information Provided by: DEALER E-PROCESS

Safety Certification

FCC ID: CB2MBLUEC09 IC:279B-MBLUEC09
This device complies with Part 15 of the FCC Rules and with RSS-210 of Industry Canada. Operation is subject to the following two conditions:
(1) This device may not cause harmful interference, and
(2) This device must accept any interference received, including interference that may cause undesired operation.

⚠ WARNING

Changes or modifications not expressively approved by the party responsible for compliance could void the user's authority to operate the equipment.

The term “IC: ” before the radio certification number only signifies that Industry Canada technical specifications were met.
The antenna used for this transmitter must not be co-located or operating in conjunction with any other antenna or transmitter. End-users and installers must be provided with installation instructions and transmitter operating conditions for satisfying RF exposure compliance.

Mazda Bluetooth Hands-Free Customer Service

- U.S.A.
  Phone: 800-430-0153 (Toll-free)
  www.MazdaUSA.com/bluetooth
- Canada
  Phone: 800-430-0153 (Toll-free)
  www.mazdahandsfree.ca
- Mexico
  Center of Attention to Client (CAC)
  Phone: 01-800-01-MAZDA (Toll-free)
  www.MazdaUSA.com/bluetooth

Information Provided by: DEALER E-PROCESS

Rear View Monitor*

The rear view monitor is a visual assist system when reversing the vehicle that provides images from the rear of the vehicle.

⚠ WARNING

The rear view monitor is only a visual assist device when reversing the vehicle. The images on the screen may be different from the actual conditions. Always drive carefully confirming the safety of the rear and the surrounding conditions by looking directly with your eyes. Reversing the vehicle by only looking at the screen may cause an accident or a collision with an object.

⚠ CAUTION

- *Do not use the rear view monitor if the trunk is not fully closed. Using the rear view monitor under such a condition is dangerous and could result in injury or vehicle damage or both.*
- *When the display is cold, images may course across the monitor or the screen and may be dimmer than usual, which could cause difficulty in confirming the surrounding conditions of the vehicle. Always drive carefully confirming the safety of the rear and the surrounding conditions by looking directly with your eyes.*
- *Do not apply excessive force to the camera. The camera position and angle may deviate.*
- *Do not disassemble, modify, or remove it as it may no longer be waterproof.*
- *The camera cover is made of plastic. Do not apply degreasing agents, organic solvents, wax, or glass coating agents to the camera cover. If any are spilled on the cover, wipe off with a soft cloth immediately.*
- *Do not rub the cover excessively, or polish it using an abrasive compound or a hard brush. The cover may be damaged affecting the image.*

NOTE

- *If water, snow, or mud is stuck on the camera lens, wipe it off using a soft cloth. If it cannot be wiped off, use a mild detergent.*
- *If the camera temperature changes rapidly, such as by pouring hot water on it under cold temperature conditions, the rear view monitor may not operate correctly.*
- *If the vehicle's front, side, or rear has been involved in a collision, the alignment of the rear view parking camera (location, installation angle) may have deviated. Always consult an Authorized Mazda Dealer to have the vehicle inspected.*

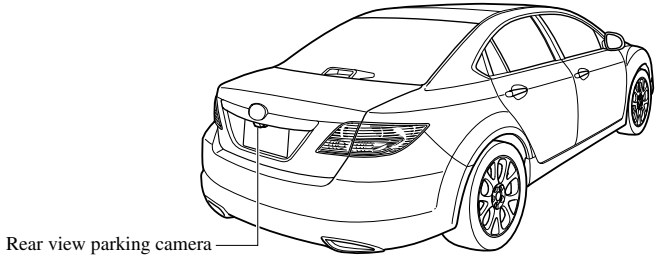
(Navigation system)

- *The screen may not change to the camera image while the navigation system is being activated immediately after the vehicle battery has been connected. If this occurs, activate the rear-view monitor camera again soon after the navigation system.*

Information Provided by: DEALER E-PROCESS

Rear View Monitor

▼Rear View Parking Camera Location



▼Switching to the Rear View Monitor Display

Shift the shift lever to R with the ignition switched to ACC or ON to switch the display to the rear view monitor display.

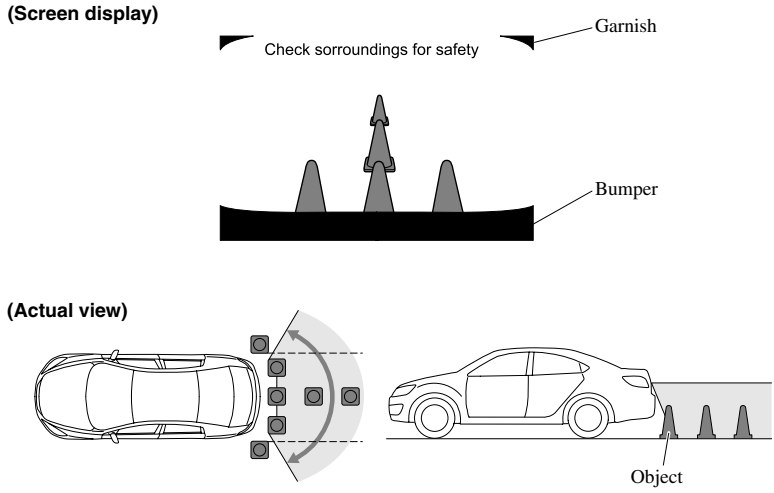
NOTE

When the shift lever is shifted from R to another shift lever position, the screen returns to the previous display.

Information Provided by: DEALER E-PROCESS

▼Displayable Range on the Screen

The images on the screen may be different from the actual conditions.



NOTE

- *The displayable range varies depending on the vehicle and road conditions.*
- *The displayable range is limited. Objects under the bumper or around the bumper ends cannot be displayed.*
- *The distance appearing in the displayed image is different from the actual distance because the rear view parking camera is equipped with a specific lens.*
- *Some optionally installed vehicle accessories may be picked up by the camera. Do not install any optional parts that can interfere with the camera view, such as illuminating parts or parts made of reflective material.*
- *It may be difficult to see the display under the following conditions, however, it does not indicate a malfunction.*
  - *In darkened areas.*
  - *When the temperature around the lens is high/low.*
  - *When the camera is wet such as on a rainy day or during periods of high humidity.*
  - *When foreign material such as mud is stuck around the camera.*
  - *When the camera lens reflects sunlight or headlight beams.*
- *If the camera picks up high-intensity light such as sunlight reflected off the vehicle body, a bright belt (light line) may appear on the display. (Smear phenomenon)*
- *Image display may be delayed if the temperature around the camera is low.*

Information Provided by: DEALER E-PROCESS

Rear View Monitor

▼Rear View Monitor Operation

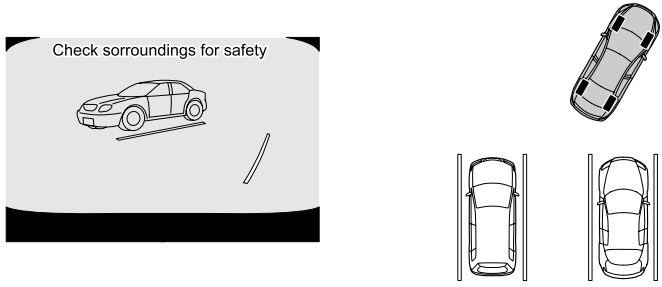
The operation of the rear view monitor when reversing the vehicle varies depending on the traffic, road, and vehicle conditions. The amount of steering and the timing also varies depending on conditions, so confirm the surrounding conditions directly with your eyes and steer the vehicle in accordance with the conditions.
Be well aware of the above cautions prior to using the rear view monitor.

NOTE

Images displayed on the monitor from the rear view parking camera are reversed images (mirror images).

1. Shift the shift lever to R to switch the display to the rear view monitor display.
2. Confirming the surrounding conditions, reverse the vehicle.

(Screen display) **(Actual view)**



3. When the shift lever is shifted from R to another shift lever position, the screen returns to the previous display.

NOTE

Because there may be a difference between the displayed image, such as indicated below, and the actual conditions when parking, always verify the safety at the rear of the vehicle and the surrounding area directly with your eyes.

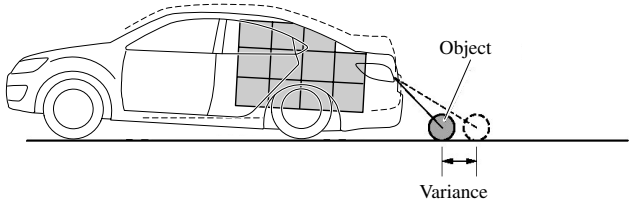
Information Provided by: DEALER E-PROCESS

▼Variance Between Actual Road Conditions and Displayed Image

Some variance occurs between the actual road and the displayed road. Such variance in distance perspective could lead to an accident. Note the following conditions that may cause a variance in distance perspective.

When the vehicle is tilted due to the weight of passengers and load

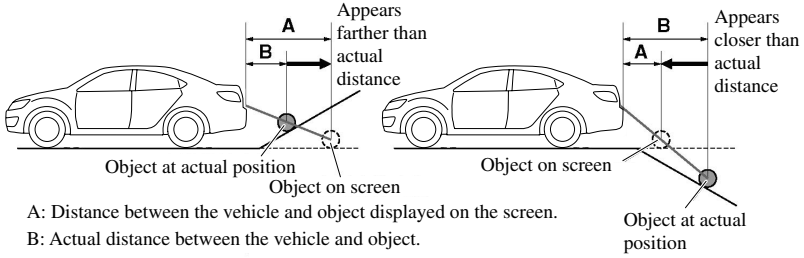
When the vehicle rear is lowered, the object displayed on the screen appears farther than the actual distance.



Information Provided by:
DEALER E-PROCESS

When there is a steep grade behind the vehicle

When there is a steep upgrade (downgrade) behind the vehicle, the object displayed on the screen appears farther (downgrade: closer) than the actual distance.



A: Distance between the vehicle and object displayed on the screen.

B: Actual distance between the vehicle and object.

▼Image Quality Adjustment

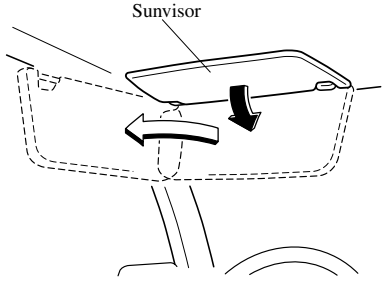
Image quality adjustment can be done while the shift lever is in reverse (R) and the rear view monitor is displayed. For detailed information, refer to the audio section or the screen adjustment related information in the "NAVIGATION SYSTEM Owner's Manual".

While the shift lever is in reverse (R), always check the vehicle's surroundings adequately before performing the image quality adjustment.

Information Provided by: DEALER E-PROCESS

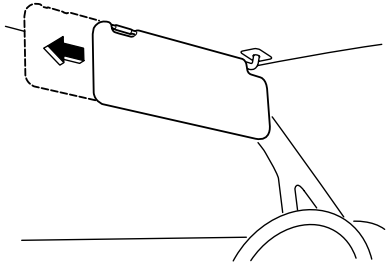
Sunvisors

When you need a sunvisor, lower it for use in front or swing it to the side.



▼Side Extension Sunvisors

The visor extender extends the sunvisor's range of sun shading.
To use, pull it out.



⚠ CAUTION

When moving the sunvisor, retract the visor extender to its original position. Otherwise, the visor extender could hit the rearview mirror, headliner, or overhead console.

▼Vanity Mirrors

To use the vanity mirror, lower the sunvisor.
The vanity mirror light will illuminate when you open the cover.

Information Provided by: DEALER E-PROCESS

Interior Lights

▼Illuminated Entry System

When the illuminated entry system operates, the overhead light (switch is in the DOOR position), the courtesy lights and the ground illumination light turn on for:

- About 30 seconds after the driver's door is unlocked and the ignition key is removed (without advanced key) or the ignition is switched off (with advanced key).
- About 15 seconds after all doors are closed.
  (With Advanced key)
  About 5 seconds after all doors are closed when the advanced key is outside of the vehicle.
- About 15 seconds after the ignition is switched off (LOCK) and the ignition key removed (without advanced key) with all doors closed.

The light also turns off when:

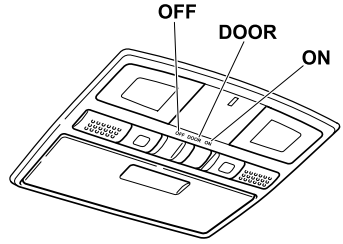
- The ignition is switched ON and all doors are closed.
- The driver's door is locked.

NOTE

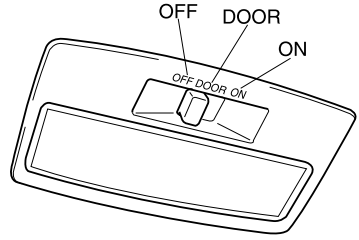
- ***Battery saver***
  If any door is left opened, the light turns off after about 30 minutes to save the battery. The light turns on again when the ignition is switched ON, or when any door is opened after all doors have been closed.
- *The operation of the illuminated entry system can be changed.*
  Refer to Personalization Features on page 10-9.

▼Overhead Lights

Front



Rear

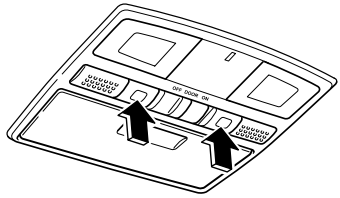


Switch Position	Overhead Lights
OFF	Light off
DOOR	• Light is on when any door is open • Light is on or off when the illuminated entry system is on
ON	Light on

Information Provided by: DEALER E-PROCESS

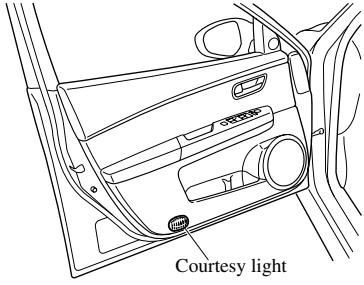
▼Map Lights

The map lights are switched on or off by pressing the switches.



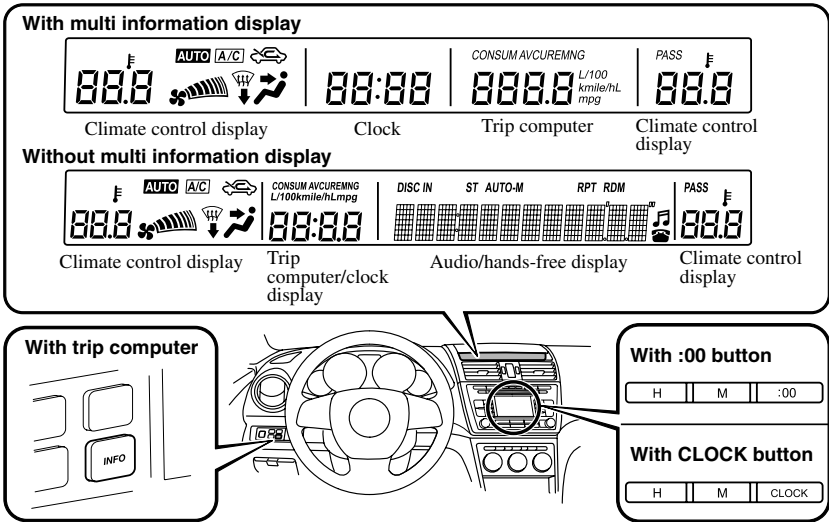
▼Courtesy Lights

Turns on when any door is open or the illuminated entry system is on.



Information Provided by:
DEALER E-PROCESS

Information Display



▼Information Display Functions

The information display has the following functions:

- Clock*
- Climate Control Display (Fully Automatic Type Air Conditioning System)
- Audio Display*
- Trip Computer*
- Bluetooth Hands-Free Display* Refer to Bluetooth Hands-Free (Voice Recognition) on page 6-95.

 *Some models.

Information Provided by: DEALER E-PROCESS

▼Clock

NOTE
(With CLOCK button)
When the trip computer is being displayed, press the CLOCK button to change the display to the time.

When the ignition is switched to ACC or ON, the time is displayed.

Without navigation system

Time setting

1. Switch the ignition to ACC or ON.
2. Adjust the time using the time setting buttons (H , M).
   The hours advance while the time setting button (H) is pressed.
   The minutes advance while the time setting button (M) is pressed.

Time resetting (With :00 button)

1. Switch the ignition to ACC or ON.
2. Press and hold the :00 button for 1.5 seconds or more. The displayed time flashes.
3. When the button is released, the time will be reset as follows:

(Example)
12:01—12:29→12:00
12:30—12:59→1:00

NOTE
When the button is released, the seconds will start at "00".

With navigation system

Refer to the separate manual "NAVIGATION SYSTEM".

NOTE
Minutes and seconds are adjusted by the GPS, however, it is necessary to adjust hours under the following conditions:
- *Driving across different time zones*
- *Daylight saving time start and end*

▼Climate Control Display (Fully Automatic Type)

The climate control system status is displayed. To operate the climate control system, refer to "Climate Control System" (page 6-2).

▼Audio Display

The audio system status is displayed. To operate the audio system, refer to "Audio System" (page 6-16).

▼Trip Computer*

The trip computer can display the following:
- The current fuel economy.
- The average fuel economy.
- The approximate distance you can travel on the available fuel.
- The average vehicle speed.

Switch the ignition ON.
Press the INFO switch to change the display mode.

Form No.8CD1-EA-11C
Information Provided by: DEALER E-PROCESS

NOTE
When the time is being displayed, press the INFO switch to change the display to the trip computer.

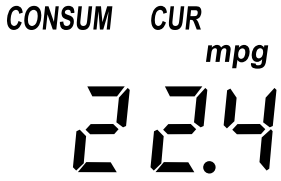
If you have any problems with your trip computer, consult an Authorized Mazda Dealer.

Current fuel economy mode

This mode displays the current fuel economy by calculating the amount of fuel consumption and the distance traveled.

Current fuel economy will be calculated and displayed every 2 seconds.

When this mode is selected, CONSUM CUR will be displayed.
U.S.A.



CANADA

When you've slowed to about 5 km/h (3 mph), - - - L/100 km (- - -mpg) will be displayed.

Average fuel economy mode

This mode displays the average fuel economy by calculating the total fuel consumption and the total traveled distance since purchasing the vehicle, re-connecting the battery after disconnection, or resetting the data. The average fuel economy is calculated and displayed every minute.

When this mode is selected, CONSUM AV will be displayed.
U.S.A.

Information Provided by: DEALER E-PROCESS

CANADA

To clear the data being displayed, press the INFO switch for more than 1.5 second.
After pressing the INFO switch, - - - L/ 100 km (- - - mpg) will be displayed for about 1 minute before the fuel economy is recalculated and displayed.

Distance-to-empty mode

This mode displays the approximate distance you can travel on the remaining fuel based on the fuel economy.

The distance-to-empty will be calculated and displayed every second.

When this mode is selected, REMNG will be displayed.

U.S.A.

CANADA

NOTE

- *Even though the distance-to-empty display may indicate a sufficient amount of remaining mileage before refueling is required, refuel as soon as possible if the fuel gauge needle nears E or the low fuel warning light illuminates.*
- *The display won't change unless you add more than approximately 20 L (5.3 US gal, 4.5 Imp gal) of fuel.*

Average vehicle speed mode

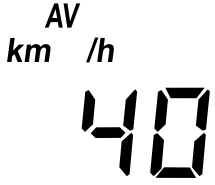
This mode displays the average vehicle speed by calculating the distance and the time traveled since connecting the battery or resetting the data.
Average vehicle speed will be calculated and displayed every 10 seconds.

When this mode is selected, AV will be displayed.

Information Provided by: DEALER E-PROCESS

U.S.A.

CANADA



To clear the data being displayed, press the INFO switch for more than 1.5 second. After pressing the INFO switch, - - - km/h (- - - mile/h) will be displayed for about 1 minute before the vehicle speed is recalculated and displayed.

Cup Holder

⚠ WARNING

Never use a cup holder to hold hot liquids while the vehicle is moving:

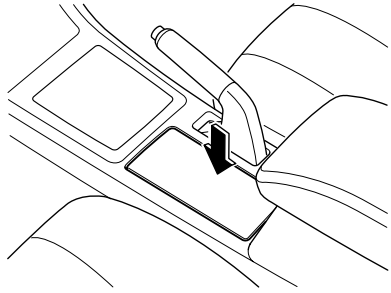
Using a cup holder to hold hot liquids while the vehicle is moving is dangerous. If the contents spill, you could be scalded.

⚠ CAUTION

To reduce the possibility of injury in an accident or a sudden stop, keep the cup holders closed when they are not in use, or when using them for storage.

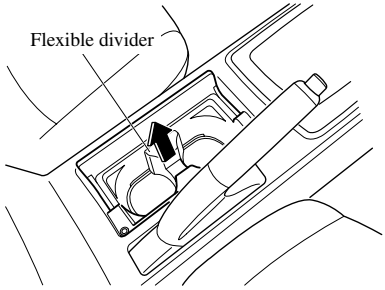
▼Front

To use the cup holder, open the center console by pressing the lower center part of its cover.



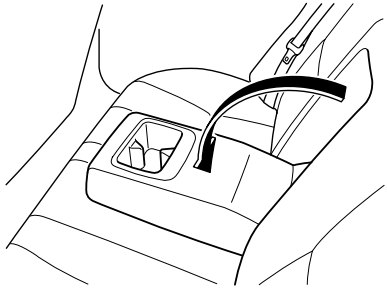
Information Provided by: DEALER E-PROCESS

To fit small items in the cup holder, remove the flexible divider.



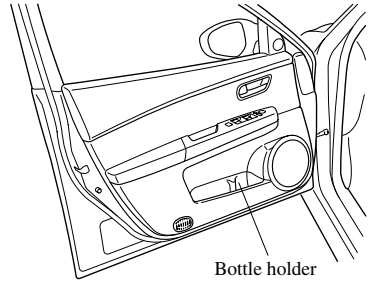
▼Rear*

The rear cup holder is on the rear center armrest.



Bottle Holder

Bottle holders are on the inside of the front doors.



⚠CAUTION

Do not use the bottle holders for containers without caps. The contents may spill when the door is opened or closed.

Information Provided by: DEALER E-PROCESS

Storage Compartments

⚠ WARNING

Keep storage boxes closed when driving:

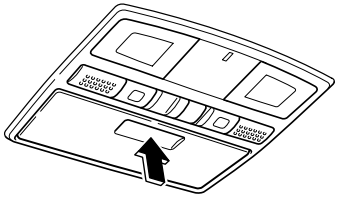
Driving with the storage boxes open is dangerous. To reduce the possibility of injury in an accident or a sudden stop, keep the storage boxes closed when driving.

⚠ CAUTION

Do not leave lighters or eyeglasses in the storage boxes while parked under the sun. A lighter could explode or the plastic material in eyeglasses could deform and crack from high temperature.

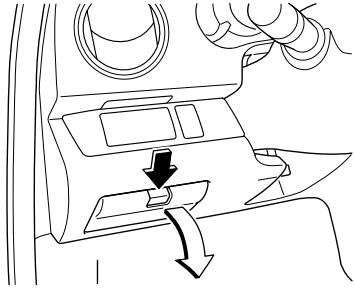
▼Overhead Console

This console box is designed to store a garage door opener or other accessories. Push and release to open.



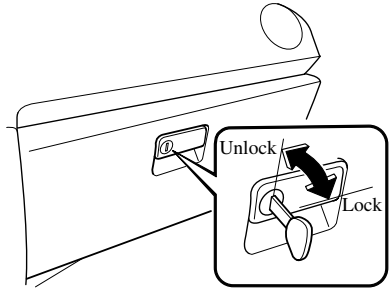
▼Storage Pocket

To open, push the release catch down and pull the lid downward.



▼Glove Compartment

To open the glove compartment, pull the latch toward you.
Insert the key (auxiliary key*) and turn it clockwise to lock, counterclockwise to unlock.
* Advanced key equipped vehicle

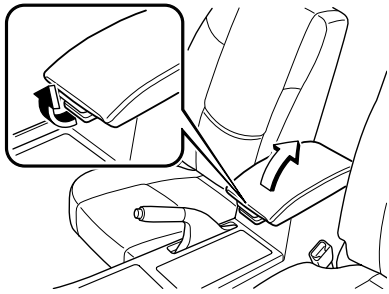


To close the glove compartment, firmly press in the center of the glove compartment lid.

Information Provided by: DEALER E-PROCESS

▼Center Console

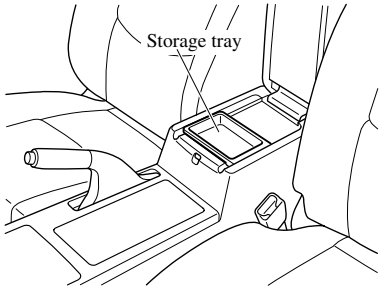
To open, pull the lower release handle.



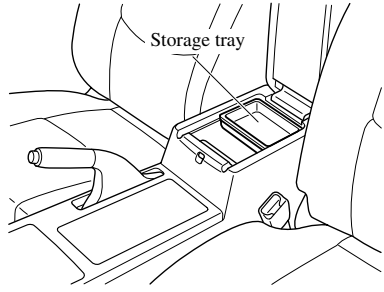
Storage tray*

The storage tray can be installed to the front/back side of the center console.

Installing to the front side



Installing to the back side

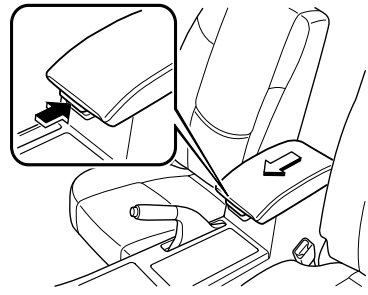


Using the armrest*

CAUTION

- *When sliding the armrest, be careful not to hit a drink cup placed in a cup holder and spill its contents. Remove cups or other drink containers from the cup holders before pulling out the armrest.*
- *Before opening the center console, store the armrest first. Otherwise, the armrest or center console may be damaged.*

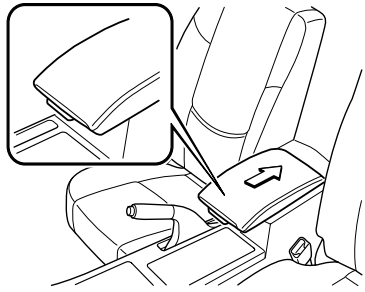
Press the button to slide the armrest frontward.



*Some models.

Information Provided by: DEALER E-PROCESS

To retract the armrest, slide it completely to the rear.

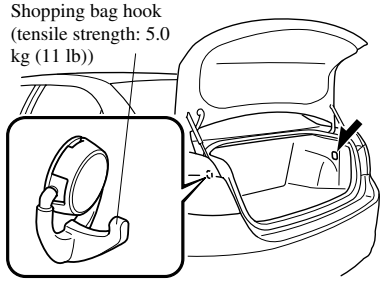


▼Shopping Bag Hook

The shopping bag hook can be used for hanging shopping bags.

⚠ CAUTION

Do not hang excessive weight on the shopping bag hook as it could be damaged.



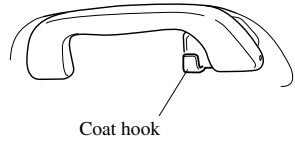
▼Rear Coat Hooks

⚠ WARNING

Never hang heavy or sharp objects on the assist grips and coat hooks:

Hanging heavy or sharp-ended objects such as a coat hanger from the assist grips or coat hooks is dangerous as they can fly off and hit an occupant in the cabin if a curtain air bag was to deploy, which could result in serious injury or death.

Always hang clothes on the coat hooks and the assist grips without hangers.



Information Provided by: DEALER E-PROCESS

Accessory Sockets

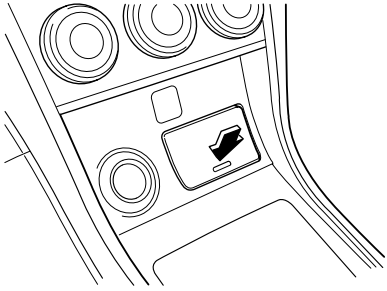
Only use genuine Mazda accessories or the equivalent requiring no greater than 120 W (DC 12 V, 10 A).

Front

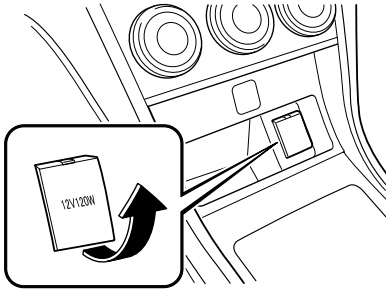
The ignition must be switched to ACC or ON.

With Advanced Key

To use, press the cover and open it.

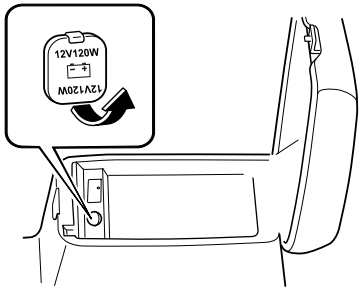


Without Advanced Key



Center Console

The accessory sockets can be used regardless of whether the ignition is on or off.



Information Provided by:
DEALER E-PROCESS

CAUTION

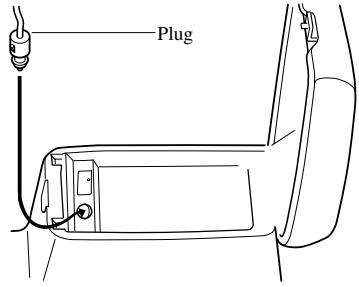
- *To prevent accessory socket damage or electrical failure, pay attention to the following:*
  - *Do not use accessories that require more than 120 W (DC 12 V, 10 A).*
  - *Do not use accessories that are not genuine Mazda accessories or the equivalent.*
  - *Close the cover when the accessory socket is not in use to prevent foreign objects and liquids from getting into the accessory socket.*
  - *Correctly insert the plug into the accessory socket.*
  - *Do not insert the cigarette lighter into the accessory socket.*
- *Noise may occur on the audio playback depending on the device connected to the accessory socket.*
- *Depending on the device connected to the accessory socket, the vehicle's electrical system may be affected, which could cause the warning light to illuminate. Disconnect the connected device and make sure that the problem is resolved. If the problem is resolved, disconnect the device from the socket and switch the ignition off. If the problem is not resolved, consult an Authorized Mazda Dealer.*

NOTE

To prevent discharging of the battery, do not use the socket for long periods with the engine off or idling.

Connecting the accessory socket

1. Open the lid.
2. Pass the connection plug cord through the cutout of the console and insert the plug into the accessory socket.



Information Provided by: DEALER E-PROCESS

7 In Case of an Emergency

Helpful information on what to do in an emergency.

Parking in an Emergency 7-2
Parking in an Emergency 7-2

Flat Tire 7-3
Spare Tire and Tool Storage 7-3
Changing a Flat Tire 7-6

Overheating 7-13
Overheating 7-13

Emergency Starting 7-15
Starting a Flooded Engine 7-15
Jump-Starting 7-16
Push-Starting 7-18

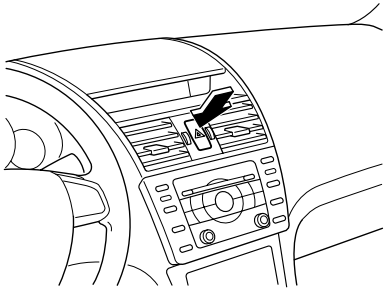
Emergency Towing 7-19
Towing Description 7-19
Recreational Towing 7-20

Information Provided by: DEALER E-PROCESS

Parking in an Emergency

The hazard warning lights should always be used when you stop on or near a roadway in an emergency.

The hazard warning lights warn other drivers that your vehicle is a traffic hazard and that they must take extreme caution when near it.



Depress the hazard warning flasher and all the turn signals will flash.

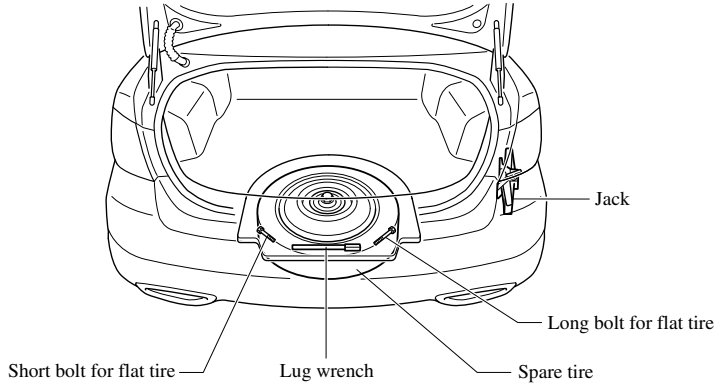
NOTE

- *The turn signals do not work when the hazard warning lights are on.*
- *Check local regulations about the use of hazard warning lights while the vehicle is being towed to verify that it is not in violation of the law.*

Information Provided by: DEALER E-PROCESS

Spare Tire and Tool Storage

Spare tire and tools are stored in the locations illustrated in the diagram.

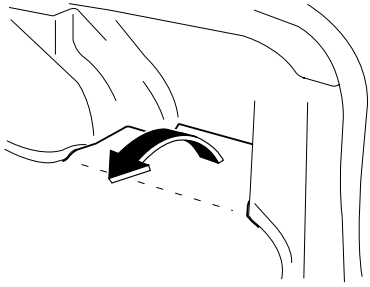


Information Provided by: DEALER E-PROCESS

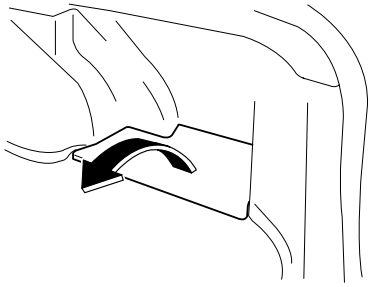
▼Jack

To remove the jack

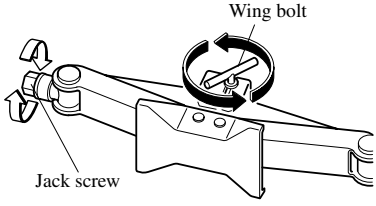
1. Open the trunk mat.



2. Remove the jack container lid.

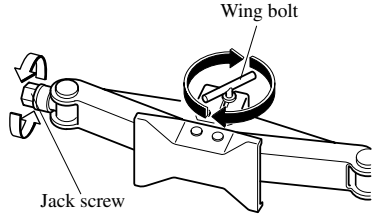


3. Turn the wing bolt and jack screw counterclockwise.



To secure the jack

1. Insert the wing bolt into the jack with the jack screw pointing front and turn the wing bolt clockwise to temporarily tighten it.
2. Turn the jack screw in the direction shown in the figure.



3. Turn the wing bolt completely to secure the jack.

NOTE

If the jack is not completely secured, it could rattle while driving. Make sure the jack screw is sufficiently tightened.

Maintenance

- Always keep the jack clean.
- Make sure the moving parts are kept free from dirt or rust.
- Make sure the screw thread is adequately lubricated.

Information Provided by: DEALER E-PROCESS

▼Spare Tire

Your Mazda has a temporary spare tire. The temporary spare tire is lighter and smaller than a conventional tire, and is designed only for emergency use and should be used only for VERY short periods. Temporary spare tires should NEVER be used for long drives or extended periods.

⚠ WARNING

Do not install the temporary spare tire on the front wheels (driving wheels):

Driving with the temporary spare tire on one of the front driving wheels is dangerous. Handling will be affected. You could lose control of the vehicle, especially on ice or snow bound roads, and have an accident. Move a regular tire to the front wheel and install the temporary spare tire to the rear.

⚠ CAUTION

- *When using the temporary spare tire, driving stability may decrease compared to when using only the conventional tire. Drive carefully.*
- *To avoid damage to the temporary spare tire or to the vehicle, observe the following precautions:*
  - *Do not exceed 80 km/h (50 mph).*
  - *Avoid driving over obstacles. Also, do not drive through an automatic car wash. This tire's diameter is smaller than a conventional tire, so the ground clearance is reduced about 7 mm (0.3 in).*
  - *Do not use tire chains on any type of tire, including the spare tire.*
  - *Do not use your temporary spare tire on any other vehicle, it has been designed only for your Mazda.*
  - *Use only one temporary spare tire on your vehicle at the same time.*

NOTE

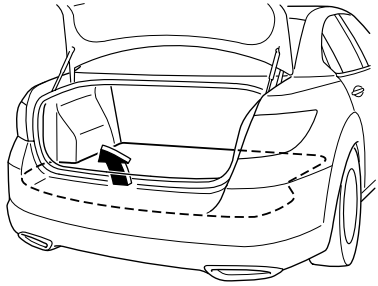
(With Tire Pressure Monitoring System)

A tire pressure sensor is not installed to the temporary spare tire. The warning light will flash continuously while the temporary spare tire is being used (page 5-29).

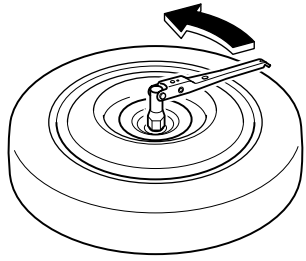
Information Provided by: DEALER E-PROCESS

To remove the spare tire

1. Remove the trunk mat, and if a trunk board is equipped remove it also.



2. Turn the tire hold-down bolt counterclockwise using the lug wrench.



To secure the spare tire

Perform the removal procedure in reverse.

Changing a Flat Tire

NOTE

If the following occurs while driving, it could indicate a flat tire.

- *Steering becomes difficult.*
- *The vehicle begins to vibrate excessively.*
- *The vehicle pulls in one direction.*

If you have a flat tire, drive slowly to a level spot that is well off the road and out of the way of traffic to change the tire. Stopping in traffic or on the shoulder of a busy road is dangerous.

⚠ WARNING

Be sure to follow the directions for changing a tire:

Changing a tire is dangerous if not done properly. The vehicle can slip off the jack and seriously injure someone. No person should place any portion of their body under a vehicle that is supported by a jack.

Never allow anyone inside a vehicle supported by a jack:

Allowing someone to remain in a vehicle supported by a jack is dangerous. The occupant could cause the vehicle to fall resulting in serious injury.

⚠ CAUTION

(With Tire Pressure Monitoring System)

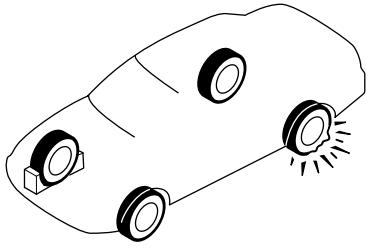
The wheels equipped on your Mazda are specially designed for installation of the tire pressure sensors. Do not use non-genuine wheels, otherwise it may not be possible to install the tire pressure sensors.

Information Provided by: DEALER E-PROCESS

NOTE
- *Make sure the jack is well lubricated before using it.*

(With Tire Pressure Monitoring System)
- *Be sure to register the tire pressure sensor ID signal code whenever tires or wheels are changed (page 5-31).*

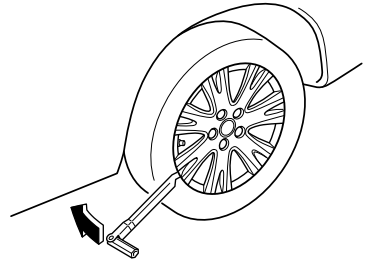
1. Park on a level surface off the right-of-way and firmly set the parking brake.
2. Put a vehicle with an automatic transaxle in Park (P), a manual transaxle in Reverse (R) or 1, and turn off the engine.
3. Turn on the hazard warning flasher.
4. Have everyone get out of the vehicle and away from the vehicle and traffic.
5. Remove the jack, tool, and spare tire (page 7-3).
6. Block the wheel diagonally opposite the flat tire. When blocking a wheel, place a tire block both in front and behind the tire.



NOTE
When blocking a tire, use rocks or wood blocks of sufficient size if possible to hold the tire in place.

▼Removing a Flat Tire

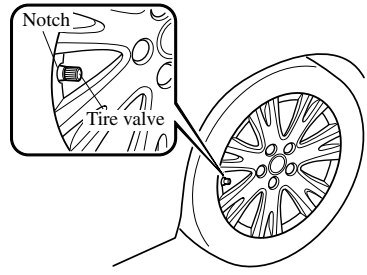
1. If your vehicle is equipped with a wheel cover, pry off the wheel cover with the beveled end of the lug wrench.



NOTE
Force the end of the lug wrench firmly between wheel and cover, or removal will be difficult.

⚠CAUTION

Align the notch on the wheel cover with the valve stem when installing it.

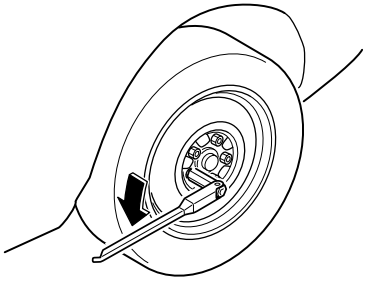


Damage could occur during installation if the wheel cover is not properly aligned.

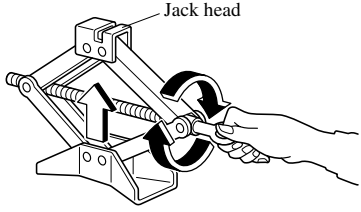
Information Provided by: DEALER E-PROCESS

Flat Tire

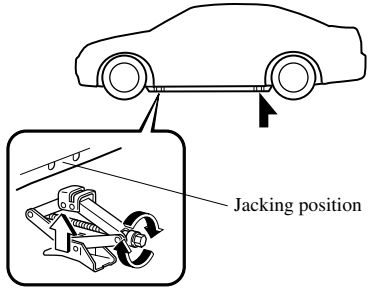
2. Loosen the lug nuts by turning them counterclockwise one turn each, but do not remove any lug nuts until the tire has been raised off the ground.



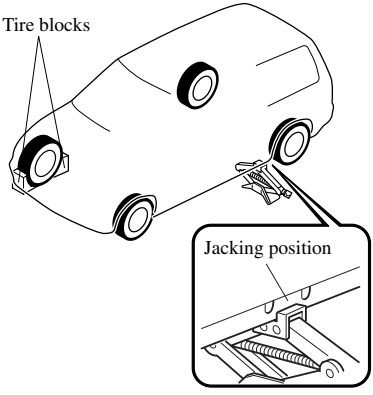
3. Place the jack on the ground.
4. Turn the jack screw in the direction shown in the figure and adjust the jack head so that it is close to the jack-up position.



5. Place the jack under the jack-up position closest to the tire being changed with the jack head squarely under the jack-up point.



6. Continue raising the jack head gradually by rotating the screw with your hand until the jack head is inserted into the jack-up position.



Information Provided by: DEALER E-PROCESS

⚠ WARNING

Use only the front and rear jacking positions recommended in this manual:

Attempting to jack the vehicle in positions other than those recommended in this manual is dangerous. The vehicle could slip off the jack and seriously injure or even kill someone. Use only the front and rear jacking positions recommended in this manual.

Do not jack up the vehicle in a position other than the designated jack-up position or place any objects on or under the jack:

Jacking up the vehicle in a position other than the designated jack-up position or placing objects on or under the jack is dangerous as it could deform the vehicle body or the vehicle could fall off the jack resulting in an accident.

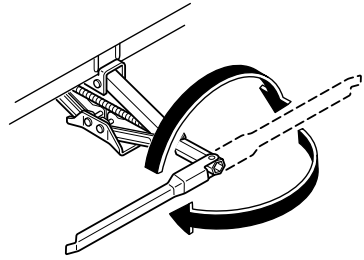
Use only the jack provided with your Mazda:

Using a jack that is not designed for your Mazda is dangerous. The vehicle could slip off the jack and seriously injure someone.

Never place objects under the jack:

Jacking the vehicle with an object under the jack is dangerous. The jack could slip and someone could be seriously injured by the jack or the falling vehicle.

7. Turn the lug wrench clockwise and raise the vehicle high enough so that the spare tire can be installed. Before removing the lug nuts, make sure your Mazda is firmly in position and that it cannot slip or move.



⚠ WARNING

Do not jack up the vehicle higher than is necessary:

Jacking up the vehicle higher than is necessary is dangerous as it could destabilize the vehicle resulting in an accident.

Do not start the engine or shake the vehicle while it is jacked up:

Starting the engine or shaking the vehicle while it is jacked up is dangerous as it could cause the vehicle to fall off the jack resulting in an accident.

Never go under the vehicle while it is jacked up:

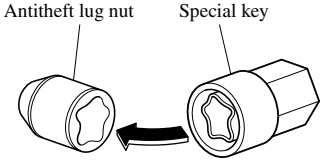
Going under the vehicle while it is jacked up is dangerous as it could result in death or serious injury if the vehicle were to fall off the jack.

8. Remove the lug nuts by turning them counterclockwise; then remove the wheel and center cap.

Information Provided by: DEALER E-PROCESS

▼Locking Lug Nuts*

If your vehicle has optional antitheft wheel lug nuts, one on each wheel will lock the tires and you must use a special key to unlock them. This key is attached to the lug wrench and is stored with the spare tire. Register them with the lock manufacturer by filling out the card provided in the glove box and mailing it in the accompanying envelope. If you lose this key, consult an Authorized Mazda Dealer or use the lock manufacturer's order form, which is with the registration card.



To remove an antitheft lug nut

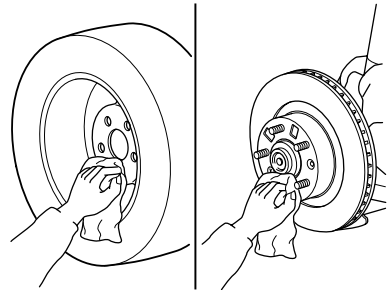
1. Obtain the key for the antitheft lug nut.
2. Place the key on top of the nut, and be sure to hold the key square to it. If you hold the key at an angle, you may damage both key and nut. Don't use a power impact wrench.
3. Place the lug wrench on top of the key and apply pressure. Turn the wrench counterclockwise.

To install the nut

1. Place the key on top of the nut, and be sure to hold the key square to it. If you hold the key at an angle, you may damage both key and nut. Don't use a power impact wrench.
2. Place the lug wrench on top of the key, apply pressure, and turn it clockwise.

▼Mounting the Spare Tire

1. Remove dirt and grime from the mounting surfaces of the wheel and hub, including the hub bolts, with a cloth.



⚠ WARNING

Make sure the mounting surfaces of the wheel, hub and lug nuts are clean before changing or replacing tires:

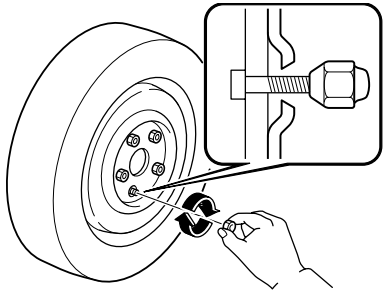
When changing or replacing a tire, not removing dirt and grime from the mounting surfaces of the wheel, hub and hub bolts is dangerous. The lug nuts could loosen while driving and cause the tire to come off, resulting in an accident.

2. Mount the spare tire.

 *Some models.

Information Provided by: DEALER E-PROCESS

3. Install the lug nuts with the beveled edge inward; tighten them by hand.

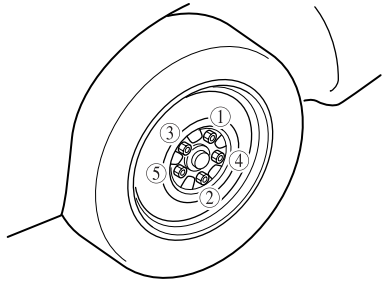


⚠ WARNING

Do not apply oil or grease to lug nuts and bolts and do not tighten the lug nuts beyond the recommended tightening torque:

Applying oil or grease to lug nuts and bolts is dangerous. The lug nuts could loosen while driving and cause the tire to come off, resulting in an accident. In addition, lug nuts and bolts could be damaged if tightened more than necessary.

4. Turn the lug wrench counterclockwise and lower the vehicle. Use the lug wrench to tighten the nuts in the order shown.



If you are unsure of how tight the nuts should be, have them inspected at an Authorized Mazda Dealer.

Nut tightening torque	
N·m (kgf·m, ft·lbf)	88—118 (9.0—12, 65—87)

⚠ WARNING

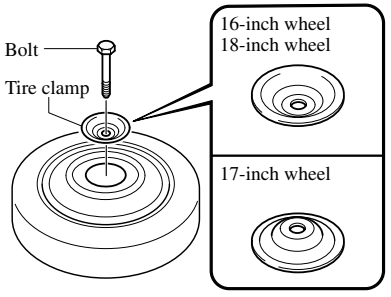
Always securely and correctly tighten the lug nuts:

Improperly or loosely tightened lug nuts are dangerous. The wheel could wobble or come off. This could result in loss of vehicle control and cause a serious accident.

Be sure to reinstall the same nuts you removed or replace them with metric nuts of the same configuration:

Because the wheel studs and lug nuts on your Mazda have metric threads, using a non-metric nut is dangerous. On a metric stud, it would not secure the wheel and would damage the stud, which could cause the wheel to slip off and cause an accident.

5. Remove the center cap by tapping it with the lug wrench.
6. Store the damaged tire, using the tire hold-down bolt to hold it in place.



Form No.8CD1-EA-11C
Information Provided by: DEALER E-PROCESS

Bolt type	Wheel size
Short bolt	16-inch wheel
Long bolt	17-inch wheel, 18-inch wheel

7. Remove the tire blocks and store the tools and jack.
8. Check the inflation pressure. Refer to Tires on page 10-7.
9. Have the flat tire repaired or replaced as soon as possible.

⚠ WARNING

Do not drive with any tires that have incorrect air pressure:

Driving on tires with incorrect air pressure is dangerous. Tires with incorrect pressure could affect handling and result in an accident. When you check the regular tires' air pressure, check the spare tire, too.

NOTE

(With Tire Pressure Monitoring System)

A tire pressure sensor is not installed to the temporary spare tire. The warning light will flash continuously while the temporary spare tire is being used (page 5-29).

NOTE

To prevent the jack and tool from rattling, store them properly.

Information Provided by: DEALER E-PROCESS

Overheating

If the temperature gauge indicates overheating, the vehicle loses power, or you hear a loud knocking or pinging noise, the engine is probably too hot.

⚠ WARNING

Switch the ignition to off and make sure the fan is not running before attempting to work near the cooling fan:

Working near the cooling fan when it is running is dangerous. The fan could continue running indefinitely even if the engine has stopped and the engine compartment temperature is high. You could be hit by the fan and seriously injured.

Do not remove either cooling system caps when the engine and radiator are hot:

When the engine and radiator are hot, scalding coolant and steam may shoot out under pressure and cause serious injury.

Open the hood ONLY after steam is no longer escaping from the engine:

Steam from an overheated engine is dangerous. The escaping steam could seriously burn you.

If the temperature gauge indicates overheating:

1. Drive safely to the side of the road and park off the right-of-way.
2. Put a vehicle with an automatic transaxle in park (P), a manual transaxle in neutral.
3. Apply the parking brake.
4. Turn off the air conditioner.
5. Check whether coolant or steam is escaping from under the hood or from the engine compartment.

   If steam is coming from the engine compartment:
   Do not go near the front of the vehicle.
   Stop the engine.
   Wait until the steam dissipates, then open the hood and start the engine.

   If neither coolant nor steam is escaping:
   Open the hood and idle the engine until it cools.

⚠ CAUTION

If the cooling fan does not operate while the engine is running, the engine temperature will increase. Stop the engine and call an Authorized Mazda Dealer.

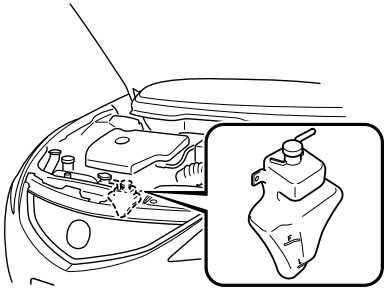
6. Make sure the cooling fan is operating, then turn off the engine after the temperature has decreased.
7. When cool, check the coolant reservoir level.
   If it's low, look for coolant leaks from the radiator and hoses.

If you find a leak or other damage, or if coolant is still leaking:
Stop the engine and call an Authorized Mazda Dealer.

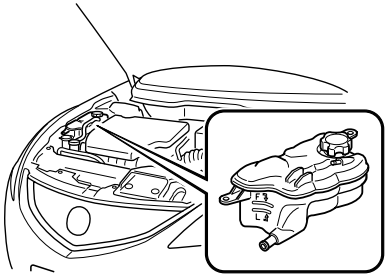
Information Provided by: DEALER E-PROCESS

Overheating

2.5-liter engine



3.7-liter engine



If you find no problems, the engine is cool, and no leaks are obvious:
Carefully add coolant as required (page 8-22).

⚠ CAUTION

If the engine continues to overheat or frequently overheats, have the cooling system inspected. The engine could be seriously damaged unless repairs are made. Consult an Authorized Mazda Dealer.

Information Provided by: DEALER E-PROCESS

Starting a Flooded Engine

Except 3.7-liter engine

If the engine fails to start, it may be flooded (excessive fuel in the engine).

Follow this procedure:

(Without Advanced Keyless Entry & Push Button Start System)

1. If the engine does not start within five seconds on the first try, switch the ignition off, wait ten seconds and try again.
2. Depress the accelerator all the way and hold it there.
3. Switch the ignition to START and hold it there—for up to ten seconds. If the engine starts, release the key and accelerator immediately because the engine will suddenly rev up.
4. If the engine fails to start, crank it without depressing the accelerator—for up to ten seconds.

(With Advanced Keyless Entry & Push Button Start System)

1. If the engine does not start within five seconds on the first try, wait ten seconds and try again.
2. Depress the accelerator all the way and hold it there.
3. Depress the clutch pedal then press the push button start. If the engine starts, release the key and accelerator immediately because the engine will suddenly rev up.
4. If the engine fails to start, crank it without depressing the accelerator.

If the engine still does not start using the above procedure, have your vehicle inspected by an Authorized Mazda Dealer.

Information Provided by: DEALER E-PROCESS

Jump-Starting

Jump-starting is dangerous if done incorrectly. So follow the procedure carefully. If you feel unsure about jump-starting, we strongly recommend that you have a competent service technician do the work.

⚠ WARNING

Follow These Precautions Carefully:
To ensure safe and correct handling of the battery, read the following precautions carefully before using the battery or inspecting it.

Always wear eye protection when working near the battery:
Working without eye protection is dangerous. Battery fluid contains SULFURIC ACID which could cause blindness if splashed into your eyes. Also, hydrogen gas produced during normal battery operation, could ignite and cause the battery to explode.

Wear eye protection and protective gloves to prevent contact with battery fluid:
Spilled battery fluid is dangerous.
Battery fluid contains SULFURIC ACID which could cause serious injuries if it gets in eyes, skin or clothing. If this happens, immediately flush your eyes with water for 15 minutes or wash your skin thoroughly and get medical attention.

Always keep batteries out of the reach of children:
Allowing children to play near batteries is dangerous. Battery fluid could cause serious injuries if it gets in the eyes or on the skin.

Do not allow the positive (+) terminal to contact any other metal object that could cause sparks:
Flames and sparks near open battery cells are dangerous. Hydrogen gas, produced during normal battery operation, could ignite and cause the battery to explode. An exploding battery can cause serious burns and injuries. When working near a battery, do not allow metal tools to contact the positive (+) or negative (–) terminal of the battery.

Information Provided by: DEALER E-PROCESS

Keep all flames, including cigarettes, and sparks away from open battery cells:
Flames and sparks near open battery cells are dangerous. Hydrogen gas, produced during normal battery operation, could ignite and cause the battery to explode. An exploding battery can cause serious burns and injuries.

Do not jump-start a frozen battery or one with a low fluid level:
Jump-starting a frozen battery or one with a low fluid level is dangerous. It may rupture or explode, causing serious injury.

Connect the negative cable to a good ground point away from the battery:
Connecting the end of the second jumper cable to the negative (—) terminal of the discharged battery is dangerous.
A spark could cause the gas around the battery to explode and injure someone.

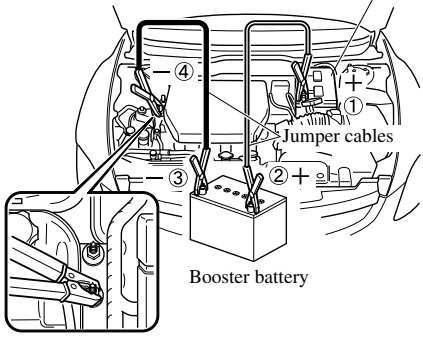
Route the jumper cables away from parts that will be moving:
Connecting a jumper cable near or to moving parts (cooling fans, belts) is dangerous. The cable could get caught when the engine starts and cause serious injury.

⚠ CAUTION

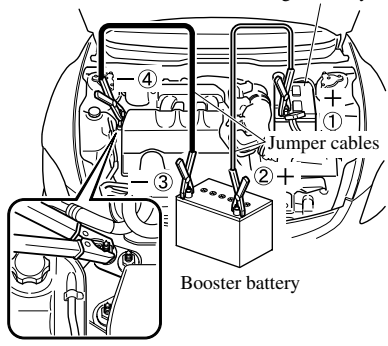
Use only a 12 V booster system. You can damage a 12 V starter, ignition system, and other electrical parts beyond repair with a 24 V power supply (two 12 V batteries in series or a 24 V motor generator set).

Connect cables in numerical order and disconnect in reverse order.

2.5-liter engine



3.7-liter engine



Information Provided by: DEALER E-PROCESS

1. Make sure the booster battery is 12 V and that its negative terminal is grounded.
2. If the booster battery is in another vehicle, don't allow both vehicles to touch. Turn off the engine of the vehicle with the booster battery and all unnecessary electrical loads in both vehicles.
3. Connect the jumper cables in the exact sequence as in the illustration.
   - Connect one end of a cable to the positive terminal on the discharged battery (1).
   - Attach the other end to the positive terminal on the booster battery (2).
   - Connect one end of the other cable to the negative terminal of the booster battery (3).
   - Connect the other end to the ground point indicated in the illustration away from the discharged battery (4).
4. Start the engine of the booster vehicle and run it a few minutes. Then start the engine of the other vehicle.
5. When finished, carefully disconnect the cables in the reverse order described in the illustration.

Push-Starting

Do not push-start your Mazda.

⚠ WARNING

Never tow a vehicle to start it:
Towing a vehicle to start it is dangerous. The vehicle being towed could surge forward when its engine starts, causing the two vehicles to collide. The occupants could be injured.

⚠ CAUTION

Do not push-start a vehicle that has a manual transaxle. It can damage the emission control system.

NOTE
You can't start a vehicle with an automatic transaxle by pushing it.

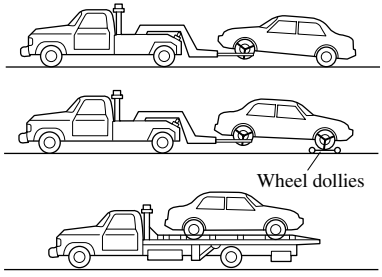
Information Provided by: DEALER E-PROCESS

Towing Description

We recommend that towing be done only by an Authorized Mazda Dealer or a commercial tow-truck service.

Proper lifting and towing are necessary to prevent damage to the vehicle. Government and local laws must be followed.

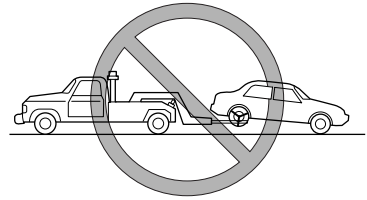
A towed vehicle usually should have its drive wheels (front wheels) off the ground. If excessive damage or other conditions prevent this, use wheel dollies.



When towing with the rear wheels on the ground, release the parking brake.

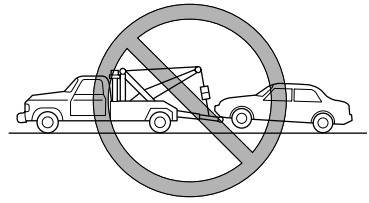
⚠ CAUTION

Do not tow the vehicle pointed backward with driving wheels on the ground. This may cause internal damage to the transaxle.



⚠ CAUTION

Do not tow with sling-type equipment. This could damage your vehicle. Use wheel-lift or flatbed equipment.



Information Provided by: DEALER E-PROCESS

Recreational Towing

An example of “recreational towing” is towing your vehicle behind a motorhome. The transaxle is not designed for towing this vehicle on all 4 wheels.
When doing recreational towing refer to “Towing Description” (page 7-19) and carefully follow the instructions.

Information Provided by: DEALER E-PROCESS

8 Maintenance and Care

How to keep your Mazda in top condition.

Introduction 8-2
Introduction 8-2

Scheduled Maintenance 8-3
Scheduled Maintenance (USA, Canada, and Puerto Rico) 8-3
Scheduled Maintenance (Mexico) 8-8

Owner Maintenance 8-15
Owner Maintenance Schedule 8-15
Owner Maintenance Precautions 8-16
Engine Compartment Overview 8-18
Engine Oil 8-19
Engine Coolant 8-22
Brake/Clutch Fluid 8-24
Power Steering Fluid 8-25
Washer Fluid 8-26
Body Lubrication 8-27
Wiper Blades 8-27
Battery 8-30
Tires 8-31
Light Bulbs 8-38
Fuses 8-47

Appearance Care 8-53
How to Minimize Environmental Paint Damage 8-53
Exterior Care 8-55
Interior Care 8-59

Form No.8CD1-EA-11C
Information Provided by: DEALER E-PROCESS

Introduction

Be extremely careful and prevent injury to yourself and others or damage to your vehicle when using this manual for inspection and maintenance.

If you are unsure about any procedure it describes, we strongly urge you to have a reliable and qualified service shop perform the work, preferably an Authorized Mazda Dealer.

Factory-trained Mazda technicians and genuine Mazda parts are best for your vehicle. Without this expertise and the parts that have been designed and made especially for your Mazda, inadequate, incomplete, and insufficient servicing may result in problems. This could lead to vehicle damage or an accident and injuries.

For expert advice and quality service, consult an Authorized Mazda Dealer.

The owner should retain evidence that proper maintenance has been performed as prescribed.

Claims against the warranty resulting from lack of maintenance, as opposed to defective materials or authorized Mazda workmanship, will not be honored.

Any auto repair shop using parts equivalent to your Mazda's original equipment may perform maintenance. **But we recommend that it always be done by an Authorized Mazda Dealer using genuine Mazda parts.**

Information Provided by: DEALER E-PROCESS

Scheduled Maintenance (USA, Canada, and Puerto Rico)

Follow Schedule 1 if the vehicle is operated mainly where none of the following conditions apply.

- Repeated short-distance driving
- Driving in dusty conditions
- Driving with extended use of brakes
- Driving in areas where salt or other corrosive materials are used
- Driving on rough or muddy roads
- Extended periods of idling or low-speed operation
- Driving for long periods in cold temperatures or extremely humid climates
- Driving in extremely hot conditions
- Driving in mountainous conditions continually

If any do apply, follow Schedule 2 (Canada and Puerto Rico residents follow Schedule 2).

NOTE

After the prescribed period, continue to follow the described maintenance at the recommended intervals.

Information Provided by: DEALER E-PROCESS

Scheduled Maintenance

▼Schedule 1

Maintenance Interval		Number of months or kilometers (miles), whichever comes first							
	Months	6	12	18	24	30	36	42	48
	×1000 km	12	24	36	48	60	72	84	96
	×1000 miles	7.5	15	22.5	30	37.5	45	52.5	60
ENGINE									
Engine valve clearance (for 2.5-liter engine)		Audibly inspect every 120,000 km (75,000 miles), if noisy, adjust							
Drive belts	2.5-liter engine					I			
	3.7-liter engine	Inspect every 168,000 km (105,000 miles)							
		Replace every 240,000 km (150,000 miles)							
Engine oil		R	R	R	R	R	R	R	R
Engine oil filter		R	R	R	R	R	R	R	R
COOLING SYSTEM									
Engine coolant	FL22 type*1	Replace at first 192,000 km (120,000 miles) or 10 years; after that, every 96,000 km (60,000 miles) or 5 years							
	Others	Replace at first 96,000 km (60,000 miles) or 4 years; after that, every 2 years							
FUEL SYSTEM									
Air filter	2.5-liter engine					R			
	3.7-liter engine			C		R			C
Fuel lines and hoses*2					I				I
Hoses and tubes for emission*2									I
IGNITION SYSTEM									
Spark plugs	2.5-liter engine	Replace every 120,000 km (75,000 miles)							
	3.7-liter engine	Replace every 160,000 km (100,000 miles)							
CHASSIS and BODY									
Brake lines, hoses and connections					I				I
Disc brakes			I		I		I		I
Tire (Rotation)		Rotate every 12,000 km (7,500 miles)							
Steering operation and linkages					I				I
Front and rear suspension, ball joints and wheel bearing axial play					I				I
Driveshaft dust boots					I				I
Bolts and nuts on chassis and body					T				T
Exhaust system and heat shields		Inspect every 72,000 km (45,000 miles) or 5 years							
All locks and hinges		L	L	L	L	L	L	L	L

Information Provided by: DEALER E-PROCESS

Maintenance Interval	Number of months or kilometers (miles), whichever comes first								
	Months	6	12	18	24	30	36	42	48
	×1000 km	12	24	36	48	60	72	84	96
	×1000 miles	7.5	15	22.5	30	37.5	45	52.5	60
AIR CONDITIONER SYSTEM									
Cabin air filter	Replace every 40,000 km (25,000 miles) or 2 years								

Chart symbols:

I: Inspect: Inspect and clean, repair, adjust, fill up, or replace if necessary.
R: Replace
C: Clean
L: Lubricate
T: Tighten

Remarks:

*1 Use FL22 type coolant in vehicles with the inscription “FL22” on the radiator cap itself or the surrounding area. Use FL22 when replacing the coolant.
*2 According to state/provincial and federal regulations, failure to perform maintenance on these items will not void your emissions warranties. However, Mazda recommends that all maintenance services be performed at the recommended time or mileage/kilometer period to ensure long-term reliability.

Information Provided by: DEALER E-PROCESS

Scheduled Maintenance

▼Schedule 2

Maintenance Interval		Number of months or kilometers (miles), whichever comes first											
	Months	4	8	12	16	20	24	28	32	36	40	44	48
	×1000 km	8	16	24	32	40	48	56	64	72	80	88	96
	×1000 miles	5	10	15	20	25	30	35	40	45	50	55	60
ENGINE													
Engine valve clearance (for 2.5-liter engine)		Audibly inspect every 120,000 km (75,000 miles), if noisy, adjust											
Drive belts	2.5-liter engine							I					
	3.7-liter engine	Inspect every 160,000 km (100,000 miles)											
		Replace every 240,000 km (150,000 miles)											
Engine oil	Puerto Rico	Replace every 5,000 km (3,000 miles) or 3 months											
	Others	R	R	R	R	R	R	R	R	R	R	R	R
Engine oil filter		R	R	R	R	R	R	R	R	R	R	R	R
COOLING SYSTEM													
Engine coolant	FL22 type[*1]	Replace at first 192,000 km (120,000 miles) or 10 years ;after that, every 96,000 km (60,000 miles) or 5 years											
	Others	Replace at first 96,000 km (60,000 miles) or 4 years; after that, every 2 years											
Engine coolant level		I	I	I	I	I	I	I	I	I	I	I	I
FUEL SYSTEM													
Air filter (for 2.5-liter engine)	Puerto Rico						R						R
	Others							R					
Air filter (for 3.7-liter engine)	Puerto Rico			C			R			C			R
	Others				C			R				C	
Fuel lines and hoses[*2]							I						I
Hoses and tubes for emission[*2]													I
IGNITION SYSTEM													
Spark plugs (for 2.5-liter engine)	USA	Replace every 96,000 km (60,000 miles)											
	Others[*3]	Replace every 120,000 km (75,000 miles)											
Spark plugs (for 3.7-liter engine)	USA	Replace every 96,000 km (60,000 miles)											
	Others[*3]	Replace every 160,000 km (100,000 miles)											
ELECTRICAL SYSTEM													
Function of all lights		I	I	I	I	I	I	I	I	I	I	I	I

Information Provided by: DEALER E-PROCESS

Maintenance Interval	Number of months or kilometers (miles), whichever comes first											
	Months	4	8	12	16	20	24	28	32	36	40	44	48
	×1000 km	8	16	24	32	40	48	56	64	72	80	88	96
	×1000 miles	5	10	15	20	25	30	35	40	45	50	55	60
CHASSIS and BODY													
Brake lines, hoses and connections							I						I
Brake fluid level		I	I	I	I	I	I	I	I	I	I	I	I
Disc brakes				I			I			I			I
Tire (Rotation)		Rotate every 8,000 km (5,000 miles)											
Tire inflation pressure and tire wear		I	I	I	I	I	I	I	I	I	I	I	I
Steering operation and linkages							I						I
Power steering fluid level		I	I	I	I	I	I	I	I	I	I	I	I
Front and rear suspension, ball joints and wheel bearing axial play							I						I
Driveshaft dust boots							I						I
Bolts and nuts on chassis and body							T						T
Exhaust system and heat shields		Inspect every 72,000 km (45,000 miles) or 5 years											
All locks and hinges		L	L	L	L	L	L	L	L	L	L	L	L
Washer fluid level		I	I	I	I	I	I	I	I	I	I	I	I
AIR CONDITIONER SYSTEM													
Cabin air filter		Replace every 40,000 km (25,000 miles) or 2 years											

Chart symbols:

I: Inspect: Inspect and clean, repair, adjust, fill up, or replace if necessary.
R: Replace
C: Clean
L: Lubricate
T: Tighten

Remarks:

*1 Use FL22 type coolant in vehicles with the inscription “FL22” on the radiator cap itself or the surrounding area. Use FL22 when replacing the coolant.
*2 According to state/provincial and federal regulations, failure to perform maintenance on these items will not void your emissions warranties. However, Mazda recommends that all maintenance services be performed at the recommended time or mileage/kilometer period to ensure long-term reliability.
*3 If the vehicle is operated primarily under any of the following conditions, replace the spark plugs at every 96,000 km (60,000 miles) or shorter.
a) Repeated short-distance driving
b) Extended periods of idling or low-speed operation
c) Driving for long periods in cold temperatures or extremely humid climates

Information Provided by: DEALER E-PROCESS

Scheduled Maintenance (Mexico)

Follow Schedule 1 if the vehicle is operated mainly where none of the following conditions apply.

- Repeated short-distance driving
- Driving in dusty conditions
- Driving with extended use of brakes
- Driving in areas where salt or other corrosive materials are used
- Driving on rough or muddy roads
- Extended periods of idling or low-speed operation
- Driving for long periods in cold temperatures or extremely humid climates
- Driving in extremely hot conditions
- Driving in mountainous conditions continually

If any do apply, follow Schedule 2.

NOTE

After the prescribed period, continue to follow the described maintenance at the recommended intervals.

Information Provided by: DEALER E-PROCESS

▼Schedule 1

Maintenance Interval		Number of months or kilometers, whichever comes first											
	Months	6	12	18	24	30	36	42	48	54	60	66	72
	×1000 km	10	20	30	40	50	60	70	80	90	100	110	120
ENGINE													
Engine valve clearance (for 2.5-liter engine)		Audibly inspect every 120,000 km, if noisy, adjust											
Drive belts	2.5-liter engine				I				I				I
	3.7-liter engine	Inspect every 40,000 km or 2 years											
		Replace every 240,000 km											
Engine oil		R	R	R	R	R	R	R	R	R	R	R	R
Engine oil filter		R	R	R	R	R	R	R	R	R	R	R	R
COOLING SYSTEM													
Cooling system					I				I				I
Engine coolant	FL22 type*1	Replace at first 190,000 km or 10 years; after that, every 60,000 km or 3 years											
	Others				R				R				R
FUEL SYSTEM													
Air filter			R		R		R		R		R		R
Fuel lines and hoses					I*2				I*2				I
Hoses and tubes for emission					I*2				I*2				I
Fuel filter					R				R				R
IGNITION SYSTEM													
Spark plugs		Replace every 60,000 km											
CHASSIS and BODY													
Brake lines, hoses and connections			I		I		I		I		I		I
Brake fluid level		I	I	I		I	I	I		I	I	I	
Brake fluid					R				R				R
Disc brakes		I	I	I	I	I	I	I	I	I	I	I	I
Tire (Rotation)		Rotate every 10,000 km											
Tire inflation pressure and tire wear		I	I	I	I	I	I	I	I	I	I	I	I
Steering operation and linkages		I	I	I	I	I	I	I	I	I	I	I	I
Power steering fluid level		I	I	I	I	I	I	I	I	I	I	I	I
Front and rear suspension, ball joints and wheel bearing axial play			I		I		I		I		I		I
Driveshaft dust boots			I		I		I		I		I		I
Bolts and nuts on chassis and body			T		T		T		T		T		T
Exhaust system and heat shields			I		I		I		I		I		I
All locks and hinges		L	L	L	L	L	L	L	L	L	L	L	L
Washer fluid level		I	I	I	I	I	I	I	I	I	I	I	I

Information Provided by: DEALER E-PROCESS

Scheduled Maintenance

Maintenance Interval	Number of months or kilometers, whichever comes first											
	Months	6	12	18	24	30	36	42	48	54	60	66	72
	×1000 km	10	20	30	40	50	60	70	80	90	100	110	120
AIR CONDITIONER SYSTEM													
Cabin air filter					R				R				R

Chart symbols:

I: Inspect: Inspect and clean, repair, adjust, fill up, or replace if necessary.
R: Replace
L: Lubricate
T: Tighten

Remarks:

*1 Use FL22 type coolant in vehicles with the inscription “FL22” on the radiator cap itself or the surrounding area. Use FL22 when replacing the coolant.
*2 According to state/provincial and federal regulations, failure to perform maintenance on these items will not void your emissions warranties. However, Mazda recommends that all maintenance services be performed at the recommended time or kilometer period to ensure long-term reliability.

Information Provided by: DEALER E-PROCESS

▼Schedule 2

Maintenance Interval		Number of months or kilometers, whichever comes first											
	Months	3	6	9	12	15	18	21	24	27	30	33	36
	×1000 km	5	10	15	20	25	30	35	40	45	50	55	60
ENGINE													
Engine valve clearance (for 2.5-liter engine)		Audibly inspect every 120,000 km, if noisy, adjust											
Drive belts	2.5-liter engine								I				
	3.7-liter engine	Inspect every 40,000 km or 2 years											
		Replace every 240,000 km											
Engine oil		R	R	R	R	R	R	R	R	R	R	R	R
Engine oil filter		R	R	R	R	R	R	R	R	R	R	R	R
COOLING SYSTEM													
Cooling system									I				
Engine coolant	FL22 type[*1]	Replace at first 190,000 km or 10 years; after that, every 60,000 km or 3 years											
	Others								R				
Engine coolant level		I	I	I	I	I	I	I	I	I	I	I	I
FUEL SYSTEM													
Air filter			C		R		C		R		C		R
Fuel lines and hoses									I[*2]				
Hoses and tubes for emission									I[*2]				
Fuel filter									R				
IGNITION SYSTEM													
Spark plugs		Replace every 60,000 km											
ELECTRICAL SYSTEM													
Function of all lights		I	I	I	I	I	I	I	I	I	I	I	I

Information Provided by: DEALER E-PROCESS

Scheduled Maintenance

Maintenance Interval	Number of months or kilometers, whichever comes first												
	Months	3	6	9	12	15	18	21	24	27	30	33	36
	×1000 km	5	10	15	20	25	30	35	40	45	50	55	60
CHASSIS and BODY													
Brake lines, hoses and connections					I				I				I
Brake fluid level			I		I		I				I		I
Brake fluid									R				
Disc brakes			I		I		I		I		I		I
Tire (Rotation)	Rotate every 10,000 km												
Tire inflation pressure and tire wear			I		I		I		I		I		I
Steering operation and linkages			I		I		I		I		I		I
Power steering fluid level			I		I		I		I		I		I
Front and rear suspension, ball joints and wheel bearing axial play					I				I				I
Driveshaft dust boots					I				I				I
Bolts and nuts on chassis and body					T				T				T
Exhaust system and heat shields					I				I				I
All locks and hinges			L		L		L		L		L		L
Washer fluid level			I		I		I		I		I		I
AIR CONDITIONER SYSTEM													
Cabin air filter					R				R				R

Chart symbols:

I: Inspect: Inspect and clean, repair, adjust, fill up, or replace if necessary.
R: Replace
C: Clean
L: Lubricate
T: Tighten

Remarks:

*1 Use FL22 type coolant in vehicles with the inscription “FL22” on the radiator cap itself or the surrounding area. Use FL22 when replacing the coolant.
*2 According to state/provincial and federal regulations, failure to perform maintenance on these items will not void your emissions warranties. However, Mazda recommends that all maintenance services be performed at the recommended time or kilometer period to ensure long-term reliability.

Information Provided by: DEALER E-PROCESS

(Cont.)

Maintenance Interval		Number of months or kilometers, whichever comes first											
	Months	39	42	45	48	51	54	57	60	63	66	69	72
	×1000 km	65	70	75	80	85	90	95	100	105	110	115	120
ENGINE													
Engine valve clearance (for 2.5-liter engine)		Audibly inspect every 120,000 km, if noisy, adjust											
Drive belts	2.5-liter engine				I								I
	3.7-liter engine	Inspect every 40,000 km or 2 years											
		Replace every 240,000 km											
Engine oil		R	R	R	R	R	R	R	R	R	R	R	R
Engine oil filter		R	R	R	R	R	R	R	R	R	R	R	R
COOLING SYSTEM													
Cooling system					I								I
Engine coolant	FL22 type[*1]	Replace at first 190,000 km or 10 years; after that, every 60,000 km or 3 years											
	Others				R								R
Engine coolant level		I	I	I	I	I	I	I	I	I	I	I	I
FUEL SYSTEM													
Air filter			C		R		C		R		C		R
Fuel lines and hoses					I[*2]								I
Hoses and tubes for emission					I[*2]								I
Fuel filter					R								R
IGNITION SYSTEM													
Spark plugs		Replace every 60,000 km											
ELECTRICAL SYSTEM													
Function of all lights		I	I	I	I	I	I	I	I	I	I	I	I

Information Provided by: DEALER E-PROCESS

Scheduled Maintenance

Maintenance Interval	Number of months or kilometers, whichever comes first											
	Months	39	42	45	48	51	54	57	60	63	66	69	72
	×1000 km	65	70	75	80	85	90	95	100	105	110	115	120
CHASSIS and BODY													
Brake lines, hoses and connections					I				I				I
Brake fluid level		I				I		I		I			
Brake fluid				R									R
Disc brakes		I		I		I		I		I			I
Tire (Rotation)	Rotate every 10,000 km												
Tire inflation pressure and tire wear		I		I		I		I		I			I
Steering operation and linkages		I		I		I		I		I			I
Power steering fluid level		I		I		I		I		I			I
Front and rear suspension, ball joints and wheel bearing axial play				I				I					I
Driveshaft dust boots				I				I					I
Bolts and nuts on chassis and body				T				T					T
Exhaust system and heat shields				I				I					I
All locks and hinges		L		L		L		L		L			L
Washer fluid level		I		I		I		I		I			I
AIR CONDITIONER SYSTEM													
Cabin air filter				R				R					R

Chart symbols:

I: Inspect: Inspect and clean, repair, adjust, fill up, or replace if necessary.
R: Replace
C: Clean
L: Lubricate
T: Tighten

Remarks:

*1 Use FL22 type coolant in vehicles with the inscription “FL22” on the radiator cap itself or the surrounding area. Use FL22 when replacing the coolant.
*2 According to state/provincial and federal regulations, failure to perform maintenance on these items will not void your emissions warranties. However, Mazda recommends that all maintenance services be performed at the recommended time or kilometer period to ensure long-term reliability.

Information Provided by: DEALER E-PROCESS

Owner Maintenance Schedule

The owner or a qualified service technician should make these vehicle inspections at the indicated intervals to ensure safe and dependable operation.

Bring any problem to the attention of an Authorized Mazda Dealer or qualified service technician as soon as possible.

▼When Refueling

- Brake and clutch fluid level (page 8-24)
- Engine coolant level (page 8-22)
- Engine oil level (page 8-21)
- Washer fluid level (page 8-26)

▼At Least Monthly

Tire inflation pressures (page 8-32)

▼At Least Twice a Year (For Example, Every Spring and Fall)

- Power steering fluid level (page 8-25)

You can do the following scheduled maintenance items if you have some mechanical ability and a few basic tools and if you closely follow the directions in this manual.

- Engine coolant (page 8-22)
- Engine oil (page 8-19)

Information Provided by: DEALER E-PROCESS

Owner Maintenance Precautions

Improper or incomplete service may result in problems. This section gives instructions only for items that are easy to perform.

As explained in the Introduction (page 8-2), several procedures can be done only by a qualified service technician with special tools.

Improper owner maintenance during the warranty period may affect warranty coverage. For details, read the separate Mazda Warranty statement provided with the vehicle. If you're unsure about any servicing or maintenance procedure, have it done by an Authorized Mazda Dealer.

There are strict environmental laws regarding the disposal of waste oil and fluids. Please dispose of your waste properly and with due regard to the environment.

We recommend that you entrust the oil and fluid changes of your vehicle to an Authorized Mazda Dealer.

Information Provided by: DEALER E-PROCESS

⚠ WARNING

Do not perform maintenance work if you lack sufficient knowledge and experience or the proper tools and equipment to do the work. Have maintenance work done by a qualified technician:

Performing maintenance work on a vehicle is dangerous if not done properly. You can be seriously injured while performing some maintenance procedures.

If you must run the engine while working under the hood, make certain that you remove all jewelry (especially rings, bracelets, watches, and necklaces) and all neckties, scarves, and similar loose clothing before getting near the engine or cooling fan which may turn on unexpectedly:

Working under the hood with the engine running is dangerous. It becomes even more dangerous when you wear jewelry or loose clothing.
Either can become entangled in moving parts and result in injury.

Switch the ignition to off and make sure the fan is not running before attempting to work near the cooling fan:

Working near the cooling fan when it is running is dangerous. The fan could continue running indefinitely even if the engine has stopped and the engine compartment temperature is high. You could be hit by the fan and seriously injured.

Do not leave items in the engine compartment:

After you have finished checking or doing servicing in the engine compartment, do not forget and leave items such as tools or rags in the engine compartment.
Tools or other items left in the engine compartment could cause engine damage or a fire leading to an unexpected accident.

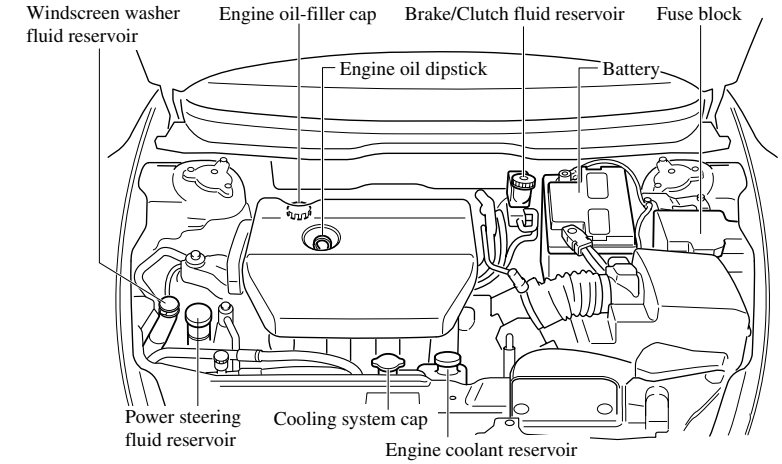
NOTE

Once the engine coolant exceeds a preset temperature, an electrical cooling fan turns on. It will continue running for about 10 minutes after the ignition is switched off.

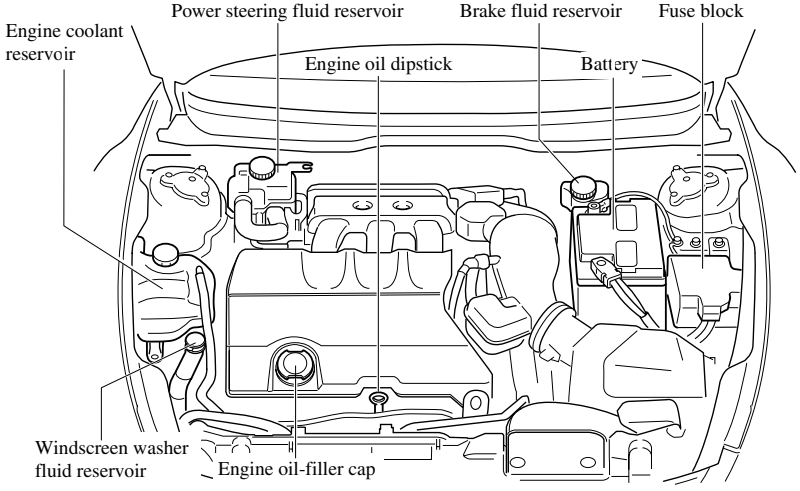
Information Provided by: DEALER E-PROCESS

Engine Compartment Overview

2.5-liter engine



3.7-liter engine



Information Provided by: DEALER E-PROCESS

Engine Oil

NOTE
Changing the engine oil should be done by an Authorized Mazda Dealer.

▼Recommended Oil

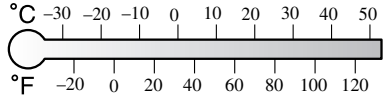
Use SAE 0W-20 engine oil (2.5-liter engine).

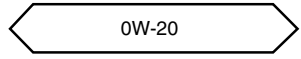
Oil container labels provide important information.
A chief contribution this type of oil makes to fuel economy is reducing the amount of fuel necessary to overcome engine friction.
Mazda recommends Mazda Genuine Parts. For optimal engine performance, there are certain types of engine oils and filters suitable for your vehicle. Please consult an Authorized Mazda Dealer.

U.S.A. and CANADA

(ILSAC)

Only use oils “Certified For Gasoline Engines” by the American Petroleum Institute (API). An oil with this trademark symbol conforms to the current engine and emission system protection standards and fuel economy requirements of the International Lubricant Standardization and Approval Committee (ILSAC), comprised of U.S. and Japanese automobile manufacturers.





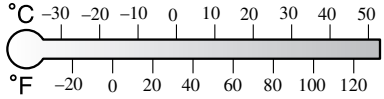
Except U.S.A. and CANADA

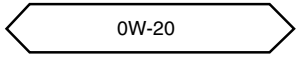
(ILSAC)

(Mexico)
Use SAE 0W-20 engine oil. If SAE 0W-20 engine oil is not available, use SAE 5W-20, 5W-30 engine oil.

Information Provided by: DEALER E-PROCESS

The quality designation SM, or ILSAC must be on the label.





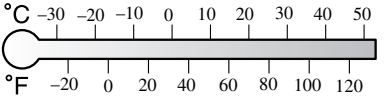
Use SAE 5W-20 engine oil (3.7-liter engine).

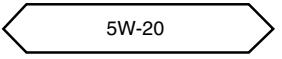
Oil container labels provide important information.
A chief contribution this type of oil makes to fuel economy is reducing the amount of fuel necessary to overcome engine friction.
Mazda recommends Mazda Genuine Parts and Castrol (U.S.A and Mexico). For optimal engine performance, there are certain types of engine oils and filters suitable for your vehicle. Please consult an Authorized Mazda Dealer.

U.S.A. and CANADA

(ILSAC)

Only use oils “Certified For Gasoline Engines” by the American Petroleum Institute (API). An oil with this trademark symbol conforms to the current engine and emission system protection standards and fuel economy requirements of the International Lubricant Standardization and Approval Committee (ILSAC), comprised of U.S. and Japanese automobile manufacturers.





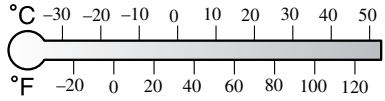
Except U.S.A. and CANADA

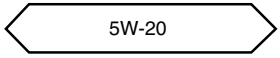
(ILSAC)

(Mexico)
Use SAE 5W-20 engine oil. If SAE 5W-20 engine oil is not available, use SAE 10W-30, 10W-40, 5W-30, 5W-40 engine oil.

Information Provided by: DEALER E-PROCESS

The quality designation SM, or ILSAC must be on the label.

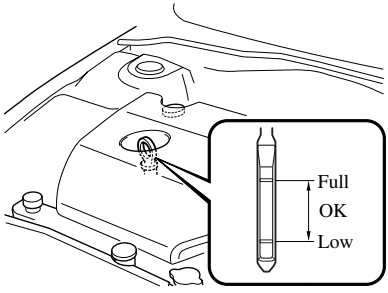




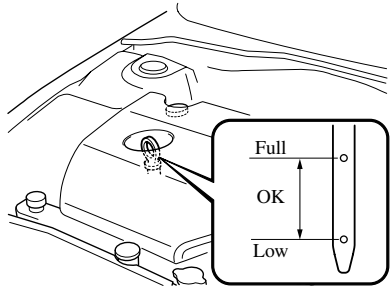
▼Inspecting Engine Oil Level

1. Be sure the vehicle is on a level surface.
2. Warm up the engine to normal operating temperature.
3. Turn it off and wait at least 5 minutes for the oil to return to the oil pan.
4. Pull out the dipstick, wipe it clean, and reinsert it fully.

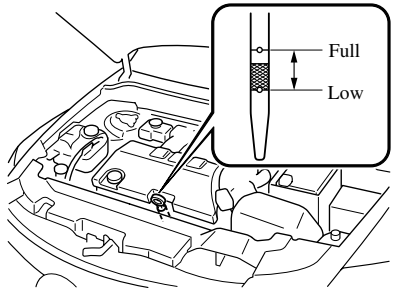
2.5-liter engine (Type A)



2.5-liter engine (Type B)



3.7-liter engine



5. **2.5-liter engine**
   Pull it out again and examine the level. The level is normal if it is between Low and Full.
   If it is near or below Low, add enough oil to bring the level to Full.
   3.7-liter engine
   Pull it out again and examine the level. The level is normal if it is between Low and Full. If it is below Low, add oil to raise the level within the hatching zone.

⚠CAUTION

Do not add engine oil over Full. This may cause engine damage.

Information Provided by: DEALER E-PROCESS

6. Make sure the O-ring on the dipstick is positioned properly before reinserting the dipstick.

Engine Coolant

▼Inspecting Coolant Level

⚠ WARNING

Do not use a match or live flame in the engine compartment. DO NOT ADD COOLANT WHEN THE ENGINE IS HOT:

A hot engine is dangerous. If the engine has been running, parts of the engine compartment can become very hot. You could be burned. Carefully inspect the engine coolant in the coolant reservoir, but do not open it.

Switch the ignition to off and make sure the fan is not running before attempting to work near the cooling fan:

Working near the cooling fan when it is running is dangerous. The fan could continue running indefinitely even if the engine has stopped and the engine compartment temperature is high. You could be hit by the fan and seriously injured.

Do not remove the cooling system cap when the engine and radiator are hot:

When the engine and radiator are hot, scalding coolant and steam may shoot out under pressure and cause serious injury.

NOTE

Changing the coolant should be done by an Authorized Mazda Dealer.

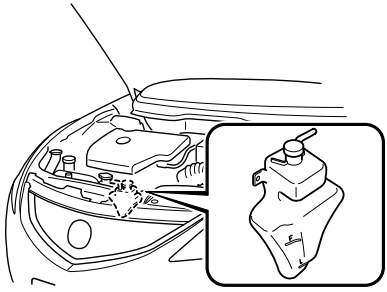
Information Provided by: DEALER E-PROCESS

Inspect the antifreeze protection and coolant level in the coolant reservoir at least once a year—at the beginning of the winter season—and before traveling where temperatures may drop below freezing.

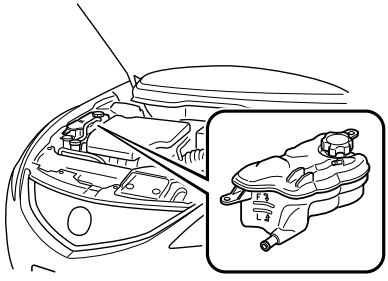
Inspect the condition and connections of all cooling system and heater hoses. Replace any that are swollen or deteriorated.

The coolant should be at full in the radiator and between the FULL or F and LOW or L marks on the coolant reservoir when the engine is cool.

2.5-liter engine



3.7-liter engine



If it is at or near LOW or L, add enough coolant to the coolant reservoir to provide freezing and corrosion protection and to bring the level to FULL or F.
Securely tighten the coolant reservoir tank cap after adding coolant.

⚠ CAUTION

- *Radiator coolant will damage paint.*
  Rinse it off quickly if spilled.
- *Use only soft (demineralized) water in the coolant mixture. Water that contains minerals will cut down on the coolant's effectiveness.*
- *Do not add only water. Always add a proper coolant mixture.*
- *The engine has aluminum parts and must be protected by an ethylene-glycol-based coolant to prevent corrosion and freezing.*
- *DO NOT USE coolants Containing Alcohol, methanol, Borate or Silicate.*
  These coolants could damage the cooling system.
- *DO NOT MIX alcohol or methanol with the coolant. This could damage the cooling system.*
- *Do not use a solution that contains more than 60% antifreeze.*
  This would reduce effectiveness.

If the coolant reservoir is empty or new coolant is required frequently, consult an Authorized Mazda Dealer.

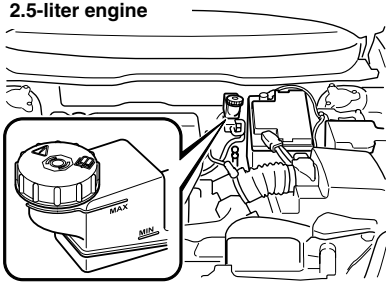
Information Provided by: DEALER E-PROCESS

Brake/Clutch Fluid

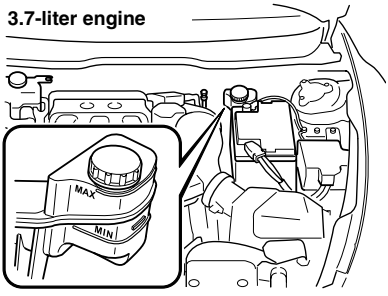
▼Inspecting Brake/Clutch Fluid Level

The brakes and clutch draw fluid from the same reservoir.
Inspect the fluid level in the reservoir regularly. It should be kept at MAX.
The level normally drops with accumulated distance, a condition associated with wear of brake and clutch linings. If it is excessively low, have the brake/clutch system inspected by an Authorized Mazda Dealer.

2.5-liter engine



3.7-liter engine



▼Adding Brake/Clutch Fluid

⚠ WARNING

Be careful not to spill brake fluid on yourself or on the engine:
Spilled brake fluid is dangerous. If it gets in your eyes, they could be seriously injured. If this happens, immediately flush your eyes with water and get medical attention. Brake fluid spilled on a hot engine could cause a fire.

If the brake/clutch fluid level is low, have the brakes and clutch inspected:
Low brake/clutch fluid levels are dangerous. Low levels could signal brake lining wear or a brake system leak. Your brakes could fail and cause an accident.

If the fluid level is low, add fluid until it reaches MAX.
Before adding fluid, thoroughly clean the area around the cap.

⚠ CAUTION

- *Brake and clutch fluid will damage painted surfaces. If brake or clutch fluid does get on a painted surface, wash it off with water immediately.*
- *Using nonspecified brake and clutch fluids (page 10-4) will damage the systems. Mixing different fluids will also damage them.*
  If the brake/clutch system frequently requires new fluid, consult an Authorized Mazda Dealer.

Information Provided by: DEALER E-PROCESS

Power Steering Fluid

▼Inspecting Power Steering Fluid Level

⚠ CAUTION

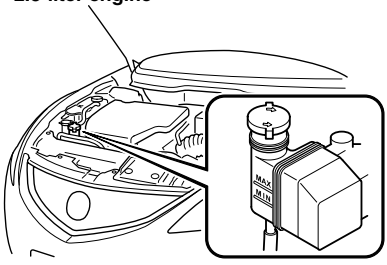
To avoid damage to the power steering pump, don't operate the vehicle for long periods when the power steering fluid level is low.

NOTE

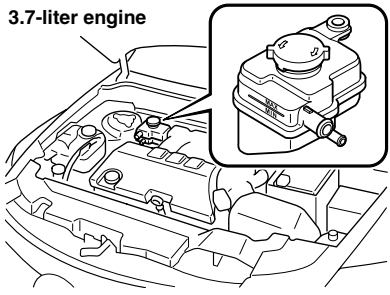
Use specified power steering fluid (page 10-4).

Inspect the fluid level in the reservoir at each engine oil change with the engine off and cold. Add fluid if necessary; it does not require periodic changing.

2.5-liter engine



3.7-liter engine



The level must be kept between MIN and MAX.

Visually examine the lines and hoses for leaks and damage.

If new fluid is required frequently, consult an Authorized Mazda Dealer.

Information Provided by: DEALER E-PROCESS

Washer Fluid

▼Inspecting Washer Fluid Level

⚠ WARNING

Use only windshield washer fluid or plain water in the reservoir:

Using radiator antifreeze as washer fluid is dangerous. If sprayed on the windshield, it will dirty the windshield, affect your visibility, and could result in an accident.

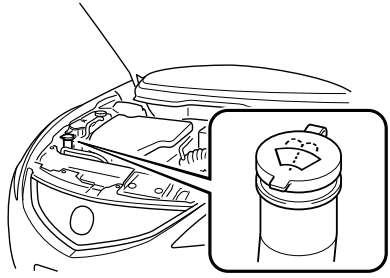
Using Washer Fluid Without Anti-freeze Protection in Cold Weather:

Operating your vehicle in temperatures below 4 degrees C (40 degrees F) using washer fluid without anti-freeze protection is dangerous as it could cause impaired windshield vision and result in an accident. In cold weather, always use washer fluid with anti-freeze protection.

NOTE

State or local regulations may restrict the use of volatile organic compounds (VOCs), which are commonly used as anti-freeze agents in washer fluid. A washer fluid with limited VOC content should be used only if it provides adequate freeze resistance for all regions and climates in which the vehicle will be operated.

Inspect fluid level in the washer fluid reservoir; add fluid if necessary.



Use plain water if washer fluid is unavailable.
But use only washer fluid in cold weather to prevent it from freezing.

Information Provided by: DEALER E-PROCESS

Body Lubrication

All moving points of the body, such as door and hood hinges and locks, should be lubricated each time the engine oil is changed. Use a nonfreezing lubricant on locks during cold weather.

Make sure the hood's secondary latch keeps the hood from opening when the primary latch is released.

Wiper Blades

⚠ CAUTION

- *Hot waxes applied by automatic car washers have been known to affect the wiper's ability to clean windows.*
- *To prevent damage to the wiper blades, do not use gasoline, kerosene, paint thinner, or other solvents on or near them.*
- *When the wiper lever is in the AUTO position and the ignition is switched ON, the wipers may move automatically in the following cases:*
  - *If the windshield above the rain sensor is touched.*
  - *If the windshield above the rain sensor is wiped with a cloth.*
  - *If the windshield is struck with a hand or other object.*
  - *If the rain sensor is struck with a hand or other object from inside the vehicle.*

  Be careful not to pinch hands or fingers as it may cause injury, or damage the wipers. When washing or servicing your Mazda, make sure the wiper lever is in the OFF position.

Contamination of either the windshield or the blades with foreign matter can reduce wiper effectiveness. Common sources are insects, tree sap, and hot wax treatments used by some commercial car washes.

If the blades are not wiping properly, clean the window and blades with a good cleaner or mild detergent; then rinse thoroughly with clean water. Repeat if necessary.

Information Provided by: DEALER E-PROCESS

▼Replacing Windshield Wiper Blades

When the wipers no longer clean well, the blades are probably worn or cracked. Replace them.

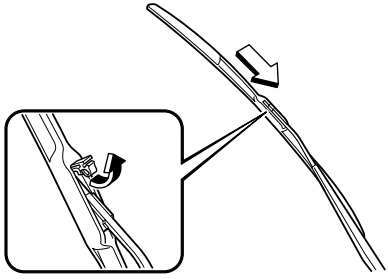
⚠ CAUTION

To prevent damage to the wiper arms and other components, don't try to sweep the wiper arm by hand.

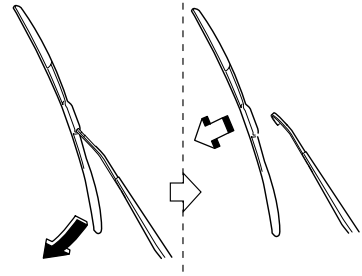
NOTE

To prevent damage to the wiper arm blades when raising both the driver and passenger side wiper arms, raise the driver side wiper arm first. Conversely, when setting down the wiper arms, set the passenger side wiper arm down first.

1. Raise the wiper arm.
2. Open the clip and slide the blade assembly in the direction of the arrow.



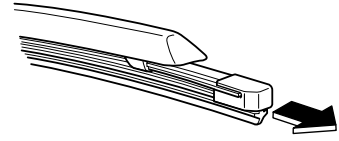
3. Tilt the blade assembly and remove it from the arm.



⚠ CAUTION

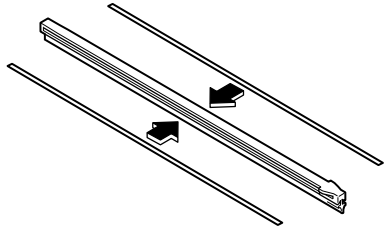
To prevent damage to the windshield let the wiper arm down easily, don't let it slap down on the windshield.

4. Pull down the blade rubber and slide it out of blade holder.



Information Provided by: DEALER E-PROCESS

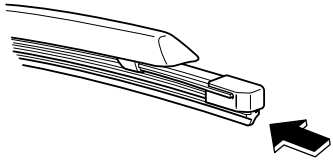
5. Remove the metal stiffeners from each blade rubber and install them in the new blade.



CAUTION

- *Don't bend or discard the stiffeners. You need to use them again.*
- *If the metal stiffeners are switched, the blade's wiping efficiency could be reduced. So don't use the driver's side metal stiffeners on the passenger's side, or vice versa.*
- *Be sure to reinstall the metal stiffeners in the new blade rubber so that the curve is the same as it was in the old blade rubber.*

6. Carefully insert the new blade rubber. Then install the blade assembly in the reverse order of removal.



Information Provided by: DEALER E-PROCESS

Battery

⚠ WARNING

Wash hands after handling the battery and related accessories:
Battery posts, terminals and related accessories contain lead and lead compounds, chemicals known to the State of California to cause cancer and reproductive harm.

Always wear eye protection when working near the battery:
Working without eye protection is dangerous. Battery fluid contains SULFURIC ACID which could cause blindness if splashed into your eyes. Also, hydrogen gas produced during normal battery operation, could ignite and cause the battery to explode.

Wear eye protection and protective gloves to prevent contact with battery fluid:
Spilled battery fluid is dangerous.
Battery fluid contains SULFURIC ACID which could cause serious injuries if it gets in eyes, or on the skin or clothing. If this happens, immediately flush your eyes with water for 15 minutes or wash your skin thoroughly and get medical attention.

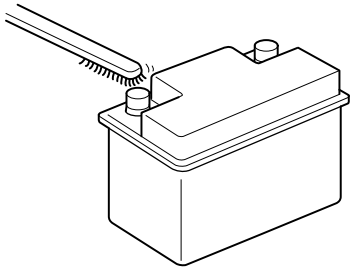
Always keep batteries out of the reach of children:
Allowing children to play near batteries is dangerous. Battery fluid could cause serious injuries if it gets in the eyes or on the skin.

Keep flames and sparks away from open battery cells and do not allow metal tools to contact the positive (+) or negative (−) terminal of the battery when working near a battery. Do not allow the positive (+) terminal to contact the vehicle body:
Flames and sparks near open battery cells are dangerous. Hydrogen gas, produced during normal battery operation, could ignite and cause the battery to explode. An exploding battery can cause serious burns and injuries. Keep all flames including cigarettes and sparks away from open battery cells.

Keep all flames, including cigarettes, and sparks away from open battery cells:
Flames and sparks near open battery cells are dangerous. Hydrogen gas, produced during normal battery operation, could ignite and cause the battery to explode. An exploding battery can cause serious burns and injuries.

Information Provided by: DEALER E-PROCESS

▼Battery Maintenance



To get the best service from a battery:
- Keep it securely mounted.
- Keep the top clean and dry.
- Keep terminals and connections clean, tight, and coated with petroleum jelly or terminal grease.
- Rinse off spilled electrolyte immediately with a solution of water and baking soda.
- If the vehicle will not be used for an extended time, disconnect the battery cables and charge the battery every six weeks.

Tires

For reasons of proper performance, safety, and better fuel economy, always maintain recommended tire inflation pressures and stay within the recommended load limits and weight distribution.

⚠ WARNING

Using Different Tire Types:

Driving your vehicle with different types of tires is dangerous. It could cause poor handling and poor braking; leading to loss of control. Except for the limited use of the temporary spare tire, use only the same type tires (radial, bias-belted, bias-type) on all four wheels.

Using Wrong-Sized Tires:

Using any other tire size than what is specified for your Mazda (page 10-7) is dangerous. It could seriously affect ride, handling, ground clearance, tire clearance, and speedometer calibration. This could cause you to have an accident. Use only tires that are the correct size specified for your Mazda.

Information Provided by: DEALER E-PROCESS

▼Tire Inflation Pressure

⚠ WARNING

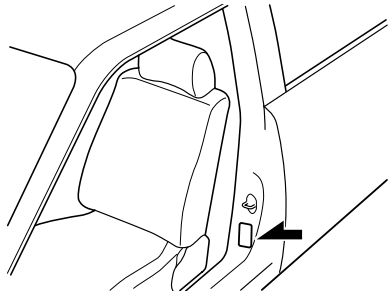
Always inflate the tires to the correct pressure:

Overinflation or underinflation of tires is dangerous. Adverse handling or unexpected tire failure could result in a serious accident.
Refer to Tires on page 10-7.

Use only a Mazda-genuine tire valve cap:

Use of a non-genuine part is dangerous as the correct tire air pressure cannot be maintained if the tire valve becomes damaged. If the vehicle is driven under this condition, the tire air pressure will decrease which could result in a serious accident. Do not use any part for the tire valve cap that is not a Mazda-genuine part.

The Tire Pressure Monitoring System does not alleviate the need to check the tire condition every day, including whether the tires all look inflated properly. Inspect all tire pressure monthly (including the spare) when the tires are cold. Maintain recommended pressures for the best ride, handling, and minimum tire wear.
When checking the tire pressures, use of a digital tire pressure gauge is recommended.



Refer to the specification charts (page 10-7).

Information Provided by: DEALER E-PROCESS

NOTE

- *Always check tire pressure when tires are cold.*
- *Warm tires normally exceed recommended pressures. Don't release air from warm tires to adjust the pressure.*
- *Underinflation can cause reduced fuel economy, uneven and accelerated tire wear, and poor sealing of the tire bead, which will deform the wheel and cause separation of tire from rim.*
- *Overinflation can produce a harsh ride, uneven and accelerated tire wear, and a greater possibility of damage from road hazards.*
  Keep your tire pressure at the correct levels. If one frequently needs inflating, have it inspected.

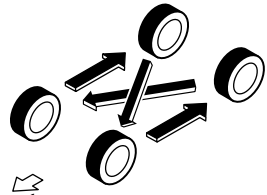
▼Tire Rotation

⚠ WARNING

Rotate tires periodically:

Irregular tire wear is dangerous. To equalize tread wear for maintaining good performance in handling and braking, rotate the tires according to the scheduled maintenance charts. Refer to Scheduled Maintenance on page 8-3.

During rotation, inspect them for correct balance.



Do not include (TEMPORARY USE ONLY) spare tire in rotation.

Also, inspect them for uneven wear and damage. Abnormal wear is usually caused by one or a combination of the following:

- Incorrect tire pressure
- Improper wheel alignment
- Out-of-balance wheel
- Severe braking

After rotation, inflate all tire pressures to specification (page 10-7) and inspect the lug nuts for tightness.

⚠ CAUTION

Rotate unidirectional tires and radial tires that have an asymmetrical tread pattern or studs only from front to rear, not from side to side. Tire performance will be reduced if rotated from side to side.

Information Provided by: DEALER E-PROCESS

▼Replacing a Tire

⚠ WARNING

Always use tires that are in good condition:

Driving with worn tires is dangerous. Reduced braking, steering, and traction could result in an accident.

Replace all four tires at the same time:

Replacing just one tire is dangerous. It could cause poor handling and poor braking resulting in loss of vehicle control. Mazda strongly recommends that you replace all four tires at the same time.

⚠ CAUTION

(With Tire Pressure Monitoring System)

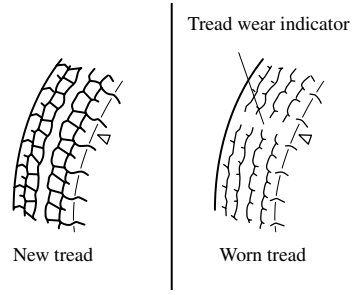
When replacing/repairing the tires or wheels or both, have the work done by an Authorized Mazda Dealer, or the tire pressure sensors may be damaged.

NOTE

(With Tire Pressure Monitoring System)

- *When tires with steel wire reinforcement in the sidewalls are used, the system may not function correctly even with a genuine wheel.*
  Refer to System Error Activation on page 5-31.
- *Be sure to install the tire pressure sensors whenever tires or wheels are replaced.*
  Refer to Tires and Wheels on page 5-31.

If a tire wears evenly, a wear indicator will appear as a solid band across the tread.
Replace the tire when this happens.



You should replace the tire before the band crosses the entire tread.

NOTE

Tires degrade over time, even when they are not being used on the road. It is recommended that tires generally be replaced when they are 6 years or older. Heat caused by hot climates or frequent high loading conditions can accelerate the aging process. You should replace the spare tire when you replace the other road tires due to the aging of the spare tire. The period in which the tire was manufactured (both week and year) is indicated by a 4-digit number.
Refer to Tire Labeling on page 9-23.

▼Temporary Spare Tire

Inspect the temporary spare tire at least monthly to make sure it's properly inflated and stored.

NOTE

The temporary spare tire condition gradually deteriorates even if it has not been used.

Information Provided by: DEALER E-PROCESS

The temporary spare tire is easier to handle because of its construction which is lighter and smaller than a conventional tire. This tire should be used only for an emergency and only for a short distance.

Use the temporary spare tire only until the conventional tire is repaired, which should be as soon as possible.

Maintain its pressure at 420 kPa (4.2 kgf/cm^2 or bar, 60 psi).

CAUTION

- *Do not use your temporary spare tire rim with a snow tire or a conventional tire. Neither will properly fit and could damage both tire and rim.*
- *The temporary spare tire has a tread life of less than 5,000 km (3,000 miles). The tread life may be shorter depending on driving conditions.*
- *The temporary spare tire is for limited use, however, if the tread wear solid-band indicator appears, replace the tire with the same type of temporary spare (page 8-34).*

NOTE

Tires degrade over time, even when they are not being used on the road. It is recommended that tires generally be replaced when they are 6 years or older. Heat caused by hot climates or frequent high loading conditions can accelerate the aging process. You should replace the spare tire when you replace the other road tires due to the aging of the spare tire. The period in which the tire was manufactured (both week and year) is indicated by a 4-digit number.
Refer to Tire Labeling on page 9-23.

▼Replacing a Wheel

WARNING

Always use wheels of the correct size on your vehicle:
Using a wrong-sized wheel is dangerous. Braking and handling could be affected, leading to loss of control and an accident.

CAUTION

- *A wrong-sized wheel may adversely affect:*
  - *Tire fit*
  - *Wheel and bearing life*
  - *Ground clearance*
  - *Speedometer calibration*
  - *Headlight aim*
  - *Bumper height*
  - *Tire Pressure Monitoring System*
- ***(With Tire Pressure Monitoring System)***
  - *When replacing/repairing the tires or wheels or both, have the work done by an Authorized Mazda Dealer, or the tire pressure sensors may be damaged.*
  - *The wheels equipped on your Mazda are specially designed for installation of the tire pressure sensors. Do not use non-genuine wheels, otherwise it may not be possible to install the tire pressure sensors.*

NOTE

Be sure to install the tire pressure sensors whenever tires or wheels are replaced. Refer to Tires and Wheels on page 5-31.

Information Provided by: DEALER E-PROCESS

When replacing a wheel, make sure the new one is the same as the original factory wheel in diameter, rim width, and offset (inset/outset).

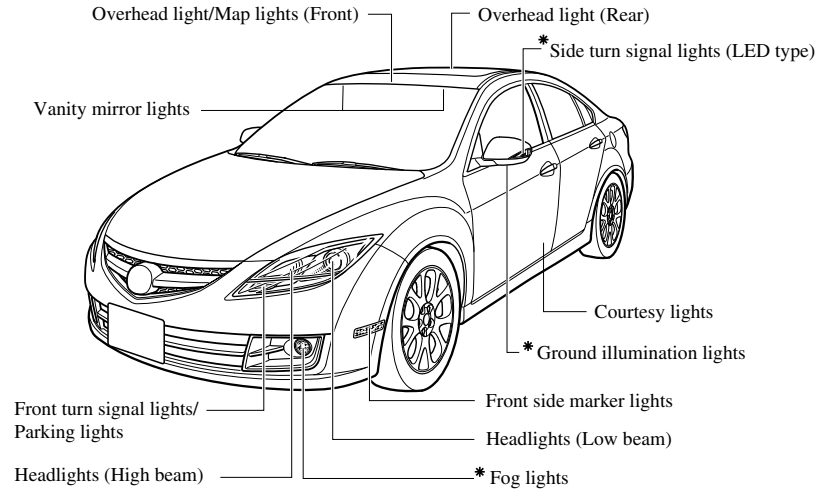
Proper tire balancing provides the best riding comfort and helps reduce tread wear. Out-of-balance tires can cause vibration and uneven wear, such as cupping and flat spots.

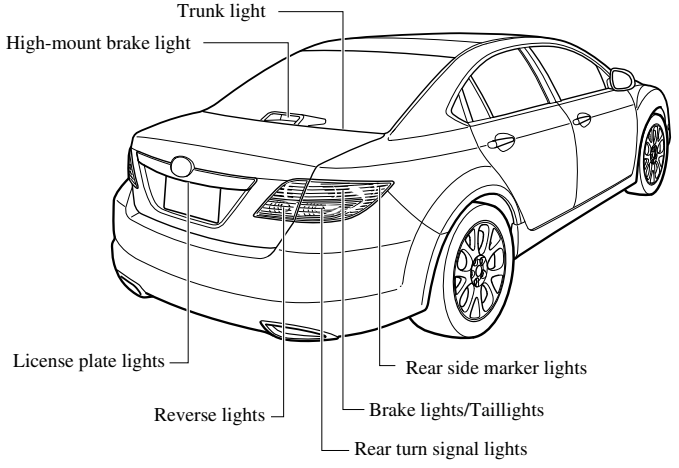
Information Provided by: DEALER E-PROCESS

MEMO

Information Provided by: DEALER E-PROCESS

Light Bulbs





*Some models.

Information Provided by: DEALER E-PROCESS

⚠ WARNING

Do not replace the xenon fusion bulbs yourself:

Replacing the xenon fusion bulbs yourself is dangerous. Because the xenon fusion bulbs require high voltage, you could receive an electric shock if the bulbs are handled incorrectly. Consult an Authorized Mazda Dealer when the replacement is necessary.

Never touch the glass portion of a halogen bulb with your bare hands and always wear eye protection when handling or working around the bulbs:

When a halogen bulb breaks, it is dangerous. These bulbs contain pressurized gas. If one is broken, it will explode and serious injuries could be caused by the flying glass. If the glass portion is touched with bare hands, body oil could cause the bulb to overheat and explode when lit.

Always keep halogen bulbs out of the reach of children:

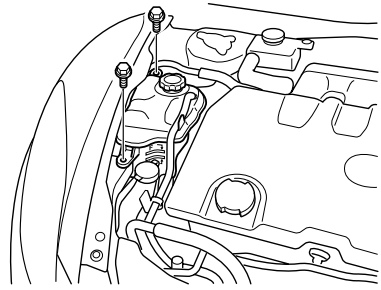
Playing with a halogen bulb is dangerous. Serious injuries could be caused by dropping a halogen bulb or breaking it some other way.

▼Replacing Exterior Light Bulbs

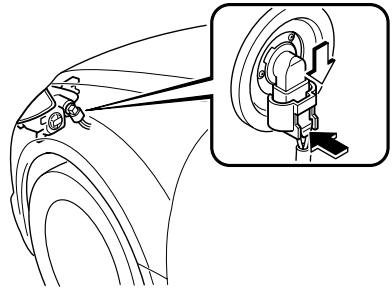
Replacing a headlight bulb

High-beam bulb

1. Make sure the ignition is switched off, and the headlight switch is off.
2. **(3.7-liter engine)**
   Remove the attachment bolts and set the coolant reservoir aside before replacing the right bulb.

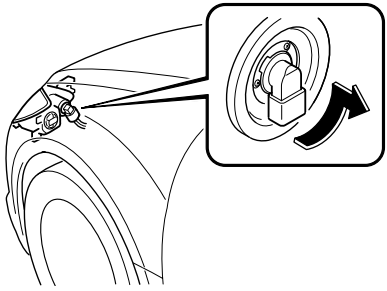


3. Disconnect the electrical connector from the bulb by pressing the tab on the connector with your finger and pulling the connector downward.



Information Provided by: DEALER E-PROCESS

4. Turn the socket and bulb assembly to remove it. Carefully remove the bulb from its socket in the reflector by gently pulling it straight backward out of the socket.



5. Install the new bulb in the reverse order of removal.
6. **(3.7-liter engine)**
   Install the coolant reservoir. If you are unsure of how tight the bolts should be, have them inspected at an Authorized Mazda Dealer.

Bolt tightening torque	
N·m (kgf·m, ft·lbf)	7.8—10.8 (0.8—1.1, 5.8—8.0)

NOTE

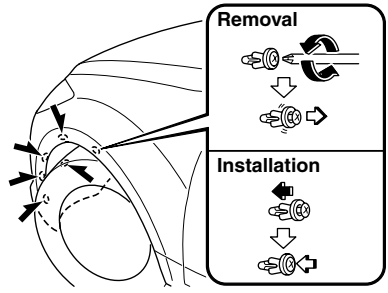
- *To replace the bulb, contact an Authorized Mazda Dealer.*
- *If the halogen bulb is accidentally touched, it should be cleaned with rubbing alcohol before being used.*
- *Use the protective cover and carton for the replacement bulb to dispose of the old bulb promptly and out of the reach of children.*

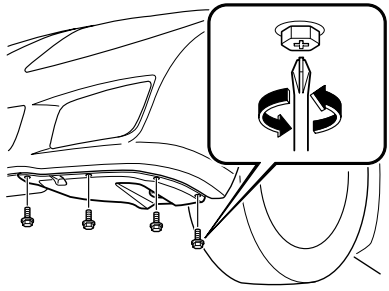
Low-beam bulb

(Xenon fusion bulb)
You cannot replace the low beam bulbs by yourself.

The bulbs must be replaced at an Authorized Mazda Dealer.
(Halogen bulbs)

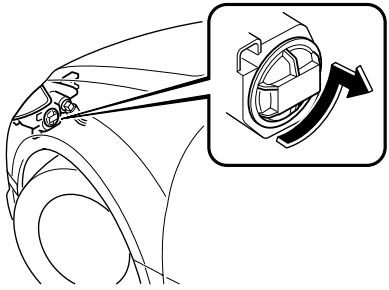
1. If you are changing the right headlight bulb, start the engine, turn the steering wheel all the way to the right, and turn off engine. If you are changing the left headlight bulb, turn the steering wheel to the left.
2. Make sure the ignition is switched off, and the headlight switch is off.
3. Turn the screws and the center section of the plastic retainers counterclockwise and remove them, then partially peel back the mudguard.



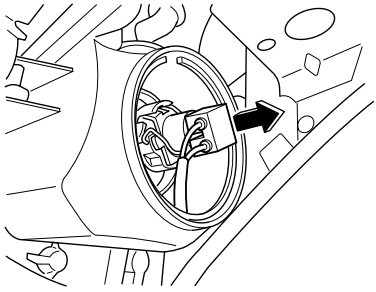


Information Provided by:
DEALER E-PROCESS

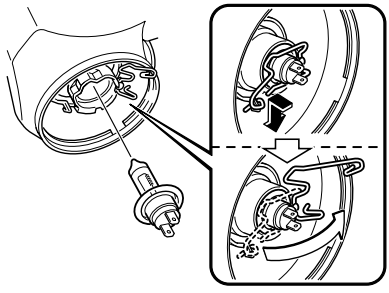
4. Turn the cover counterclockwise and remove it.



5. Detach the electrical connector from the bulb by pulling it to the rear.



6. Unhook the bulb retaining spring.



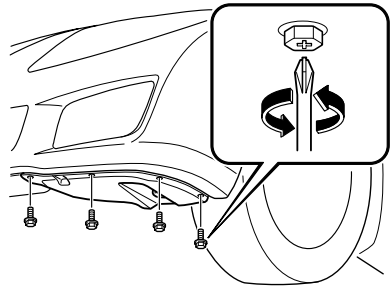
7. Swing the retaining spring out and away to free the headlight bulb.
8. Carefully remove the headlight bulb from the socket by pulling it straight back.
9. Replace the bulb.
10. Install the new bulb in the reverse order of removal.

NOTE

- *To replace the bulb, contact an Authorized Mazda Dealer.*
- *If the halogen bulb is accidentally touched, it should be cleaned with rubbing alcohol before being used.*
- *Use the protective cover and carton for the replacement bulb to dispose of the old bulb promptly and out of the reach of children.*

Fog light bulbs *

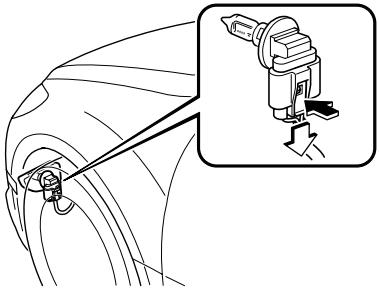
1. Make sure the ignition is switched off, and the headlight switch is off.
2. Turn the screws and the center section of counterclockwise and remove them, then partially peel back the mudguard.



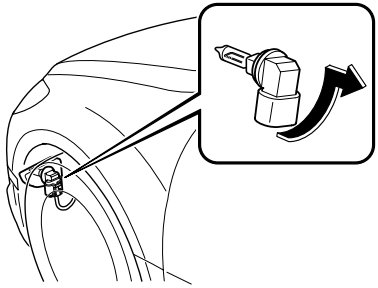
*Some models.

Information Provided by: DEALER E-PROCESS

3. Disconnect the electrical connector from the bulb by pressing the tab on the connector with your finger and pulling the connector downward.



4. Turn the socket and bulb assembly to remove it. Carefully remove the bulb from its socket in the reflector by gently pulling it straight backward out of the socket.



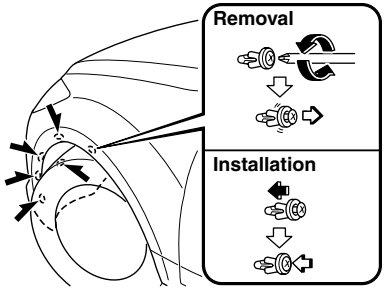
5. Install the new bulb in the reverse order of removal.

NOTE

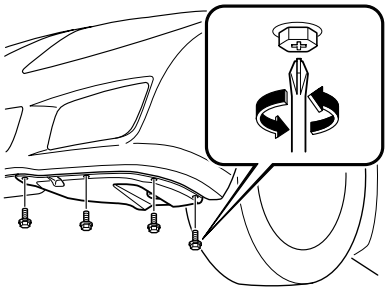
- *To replace the bulb, contact an Authorized Mazda Dealer.*
- *If the halogen bulb is accidentally touched, it should be cleaned with rubbing alcohol before being used.*
- *Use the protective cover and carton for the replacement bulb to dispose of the old bulb promptly and out of the reach of children.*

Front side marker lights

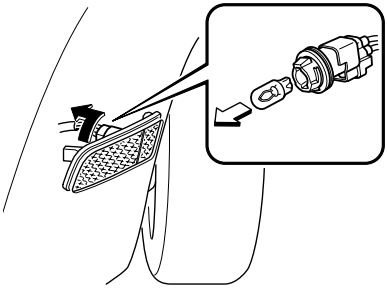
1. If you are changing the right side-maker light, start the engine, turn the steering wheel all the way to the right, and turn off the engine. If you are changing the left side-maker light, turn the steering wheel to the left.
2. Make sure the ignition is switched off, and the headlight switch is off.
3. Turn the screws and the center section of the plastic retainers counterclockwise and remove them, then partially peel back the mudguard.



Information Provided by: DEALER E-PROCESS



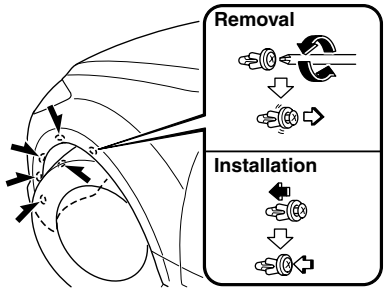
4. Turn the socket and bulb assembly counterclockwise and remove it.
5. Disconnect the bulb from the socket.

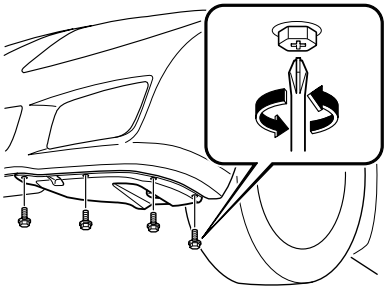


6. Install the new side turn signal unit in the reverse order of removal.

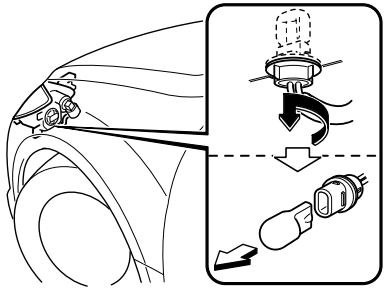
Front turn signal lights/Parking lights

1. If you are changing the right headlight bulb, start the engine, turn the steering wheel all the way to the right, and turn off engine. If you are changing the left headlight bulb, turn the steering wheel to the left.
2. Make sure the ignition is switched off, and the headlight switch is off.
3. Turn the bolt, the screws and the center section of the plastic retainers counterclockwise and remove them, then partially peel back the mudguard.





4. Turn the socket and bulb assembly counterclockwise and remove it.
5. Disconnect the bulb from the socket.



Information Provided by: DEALER E-PROCESS

6. Install the new bulb in the reverse order of removal.

Side turn signal lights*, High-mount brake light, Ground illumination lights*

Due to the complexity and difficulty of the procedure, the bulbs must be replaced by an Authorized Mazda Dealer.

Brake lights/Taillights (Rear side marker lights)

LED type

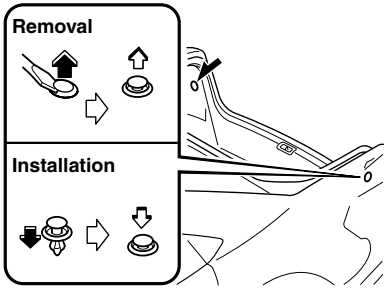
Due to the complexity and difficulty of the procedure, the LED bulbs must be replaced by an Authorized Mazda Dealer.

NOTE

LED bulb replacement is not possible because it is built into the unit. Replace the unit.

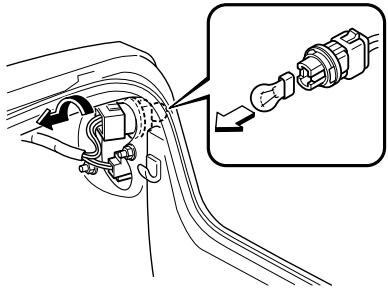
Bulb type

1. Pull the center section of the plastic retainer and remove the retainers and partially open the trunk side trim.



2. Turn the socket and bulb assembly counterclockwise and remove it.

3. Disconnect the bulb from the socket.



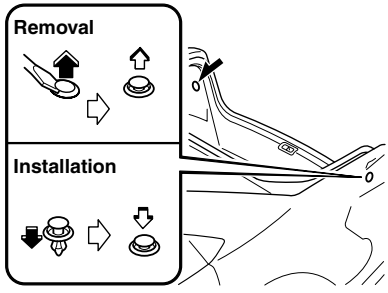
4. Install the new bulb in the reverse order of removal.

NOTE

To replace the bulb, contact an Authorized Mazda Dealer.

Rear turn signal lights

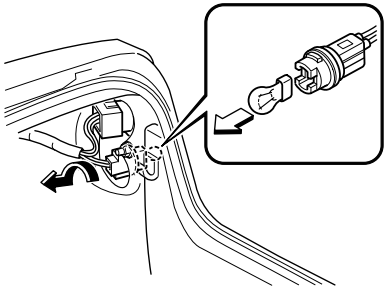
1. Pull the center section of the plastic retainer and remove the retainers and partially open the trunk side trim.



2. Turn the socket and bulb assembly counterclockwise and remove it.

Information Provided by: DEALER E-PROCESS

3. Disconnect the bulb from the socket.



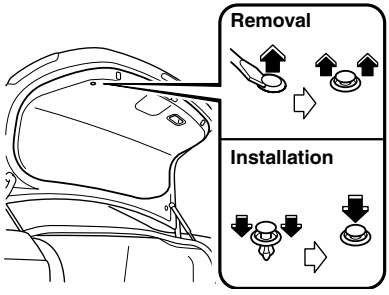
4. Install the new bulb in the reverse order of removal.

NOTE

To replace the bulb, contact an Authorized Mazda Dealer.

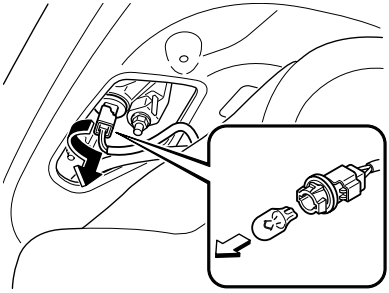
Reverse lights

1. Pull the center section of the plastic retainer and remove the retainers, then partially peel back the trunk rear trim.



2. Turn the socket and bulb assembly counterclockwise and remove it.

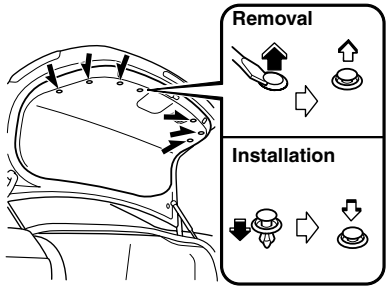
3. Disconnect the bulb from the socket.



4. Install the new bulb in the reverse order of removal.

License plate lights

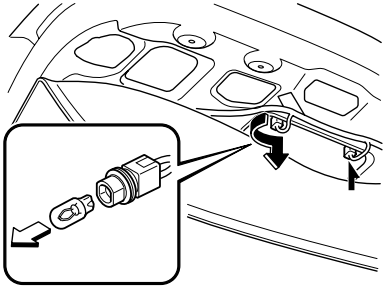
1. Pull the center section of the plastic retainer and remove the retainers, then partially peel back the trunk rear trim.



2. Turn the socket and bulb assembly counterclockwise and remove it.

Information Provided by: DEALER E-PROCESS

3. Disconnect the bulb from the socket.



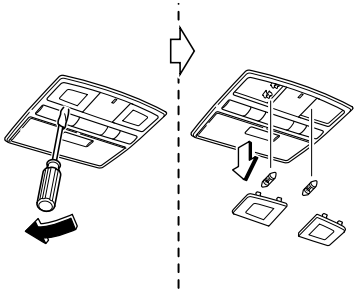
4. Install the new bulb in the reverse order of removal.

▼Replacing Interior Light Bulbs

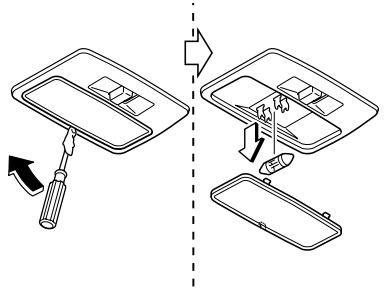
Overhead light/Map lights (Front), Overhead light (Rear), Courtesy lights, Vanity mirror lights

1. Wrap a small flathead screwdriver with a soft cloth to prevent damage to the lens and remove the lens by carefully prying on the edge of the lens with the flathead screwdriver.
2. Disconnect the bulb by pulling it out.

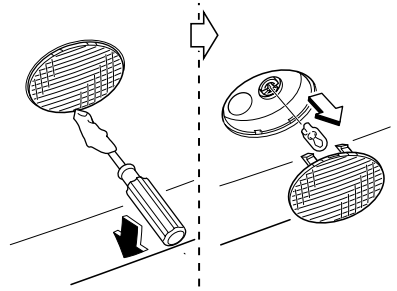
Overhead light/Map lights (Front)



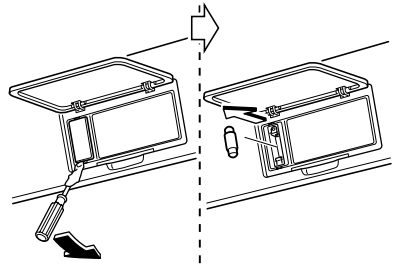
Overhead light (Rear)



Courtesy lights



Vanity mirror lights

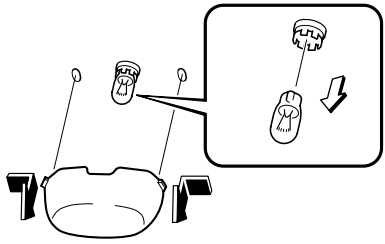


3. Install the new bulb in the reverse order of removal.

Information Provided by: DEALER E-PROCESS

Trunk light

1. Press both sides of the lens cap to remove it.
2. Disconnect the bulb by pulling it out.



3. Install the new bulb in the reverse order of removal.

Fuses

Your vehicle's electrical system is protected by fuses.

If any lights, accessories, or controls don't work, inspect the appropriate circuit protector. If a fuse has blown, the inside element will be melted.

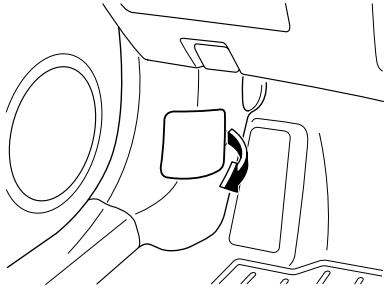
If the same fuse blows again, avoid using that system and consult an Authorized Mazda Dealer as soon as possible.

▼Fuse Replacement

Replacing the fuses on the driver's side kick-panel

If the electrical system does not work, first inspect the fuses on the driver's side kick-panel.

1. Make sure the ignition is switched off, and other switches are off.
2. Open the fuse panel cover by sliding the cover straight back toward you.

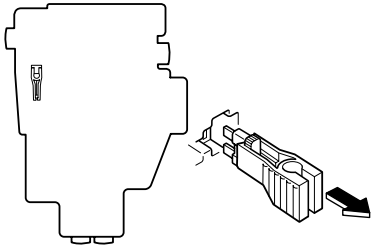


⚠CAUTION

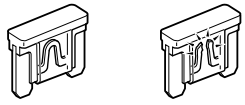
Pulling the cover off sideways may break the retaining tabs off.

Information Provided by: DEALER E-PROCESS

3. Pull the fuse straight out with the fuse puller provided on the fuse block located in the engine compartment.



4. Inspect the fuse and replace it if it's blown.



Normal Blown

5. Insert a new fuse of the same amperage rating, and make sure it fits tightly. If it does not fit tightly, have an expert install it. We recommend an Authorized Mazda Dealer.
If you have no spare fuses, borrow one of the same rating from a circuit not essential to vehicle operation, such as the AUDIO or CIGAR circuit.

⚠ CAUTION

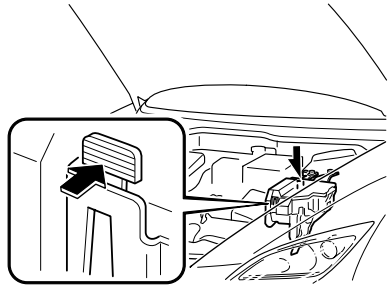
Always replace a fuse with one of the same rating. Otherwise you may damage the electric system.

6. Reinstall the cover and make sure that it is securely installed.

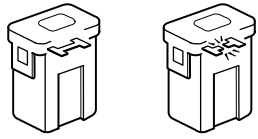
Replacing the fuses under the hood

If the headlights or other electrical components do not work and the fuses in the cabin are normal, inspect the fuse block under the hood. If a fuse is blown, it must be replaced. Follow these steps:

1. Make sure the ignition is switched off, and other switches are off.
2. Remove the fuse block cover.



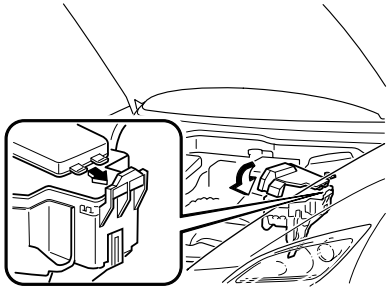
3. If any fuse but the MAIN fuse is blown, replace it with a new one **of the same amperage rating**.



Normal Blown

Information Provided by: DEALER E-PROCESS

4. Install the right side of the fuse block cover first as shown the figure.



⚠ WARNING

Do not replace the main fuse by yourself. Have an Authorized Mazda Dealer perform the replacement:

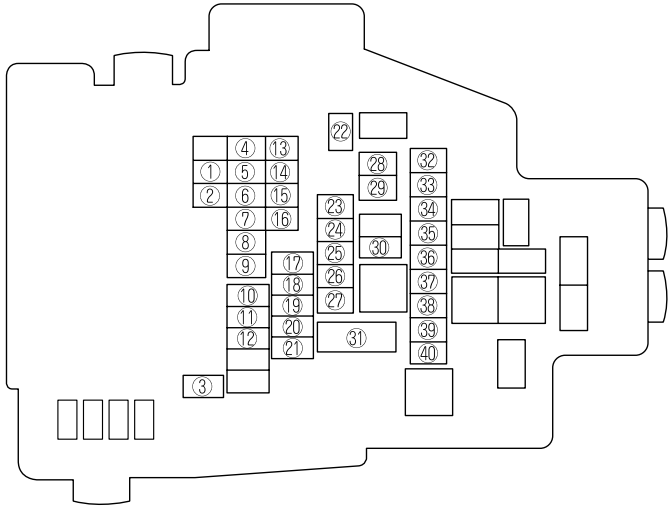
Replacing the fuse by yourself is dangerous because the MAIN fuse is a high current fuse. Incorrect replacement could cause an electrical shock or a short circuit resulting in a fire.

5. Reinstall the cover and make sure that it is securely installed.

Information Provided by: DEALER E-PROCESS

▼Fuse Panel Description

Fuse block (Engine compartment)



DESCRIPTION		FUSE RATING	PROTECTED COMPONENT
1	M.DEF	10 A	Mirror defroster*
2	ST SIG	5 A	Starter sig
3	ABS SOL	30 A	DSC
4	P.WIND (P)	—	—
5	P.SEAT (P)	30 A	Power seat*
6	SUN ROOF	15 A	Moonroof*
7	TAIL	15 A	BCM, Tail lamp
8	P.OUTLET (R)	15 A	Accessory sockets
9	AUDIO	30 A	Audio system (Bose® Sound System-equipped model)
10	ABS MOTOR	60 A	DSC
11	P.WIND (D)	40 A	Power window
12	DEFOG	40 A	Rear window defroster
13	SEAT HEAT	20 A	Seat heat*
14	A/C	10 A	Air conditioner
15	FOG	15 A	Fog lights*
16	BLOWER 2	—	—
17	FAN	60 A	Cooling fan

 *Some models.

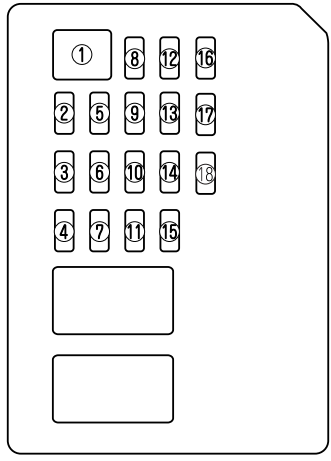
Information Provided by: DEALER E-PROCESS

DESCRIPTION		FUSE RATING	PROTECTED COMPONENT
18	P.SEAT (D)	30 A	Power seat *
19	BTN	30 A	For protection of various circuits
20	IG KEY2	40 A	Starting system
21	BLOWER	40 A	Blower motor
22	FUEL PUMP	25 A	Fuel pump
23	ENGINE2	15 A	Engine control system *
24	EGI INJ	15 A	Injector
25	PCM	10 A	Engine control system
26	ENGINE	10 A *1	Engine control system
		20 A *2	
27	IG	20 A	For protection of various circuits *
28	TCM	20 A	TCM *
29	ESCL	10 A	Electronic steering lock *
30	IG KEY1	40 A	For protection of various circuits
31	MAIN	125 A	For protection of all circuits
32	DRL	20 A	DRL *
33	HAZARD	10 A	Hazard warning flashers
34	ENG+B	10 A	PCM
35	STOP	10 A	Brake lights
36	HORN	15 A	Horn
37	HEAD HI RH	15 A	Headlight-high beam (Right) *
38	HEAD LO RH	10 A	Headlight-low beam (Right)
39	HEAD HI LH	15 A	Headlight-high beam (Left) *
40	HEAD LO LH	10 A	Headlight-low beam (Left)

*1 2.5-liter engine
*2 3.7-liter engine

Information Provided by: DEALER E-PROCESS

Fuse block (Passenger's side)



DESCRIPTION		FUSE RATING	PROTECTED COMPONENT
1	P.WIND	30 A	Power window
2	METER IG	15 A	For protection of various circuits
3	ILLUMI	7.5 A	BCM, Illumination
4	MIRROR	5 A	Power control mirror
5	SAS	5 A	Air bag, DSC
6	—	—	—
7	INT, LOCK/SHIFT	5 A	AT shift *
8	—	—	—
9	HEGO	5 A	Engine control system *
10	A/C	10 A	Air conditioner
11	P.OUTLET/CIGAR	15 A	Power outlet
12	D.LOOK	25 A	BCM, Door lock motor
13	ENGINE IG	15 A	Engine control system
14	WIPER	25 A	Windshield wiper and washer
15	ROOM	15 A	Interior lights
16	SPARE	20 A	—
17	SPARE	10 A	—
18	SPARE	—	—

 *Some models.

Information Provided by: DEALER E-PROCESS

How to Minimize Environmental Paint Damage

The paintwork on your Mazda represents the latest technical developments in composition and methods of application.

Environmental hazards, however, can harm the paint's protective properties, if proper care is not taken.

Here are some examples of possible damage, with tips on how to prevent them.

▼Etching Caused by Acid Rain or Industrial Fallout

Occurrence

Industrial pollutants and vehicle emissions drift into the air and mix with rain or dew to form acids. These acids can settle on a vehicle's finish. As the water evaporates, the acid becomes concentrated and can damage the finish.
And the longer the acid remains on the surface, the greater the chance is for damage.

Prevention

It is necessary to wash and wax your vehicle to preserve its finish according to the instructions in this section. These steps should be taken immediately after you suspect that acid rain has settled on your vehicle's finish.

▼Damage Caused by Bird Dropping, Insects, or Tree Sap

Occurrence

Bird droppings contain acids. If these aren't removed they can eat away the clear and color base coat of the vehicle's paintwork.

When insects stick to the paint surface and decompose, corrosive compounds form. These can erode the clear and color base coat of the vehicle's paintwork if they are not removed.

Tree sap will harden and adhere permanently to the paint finish. If you scratch the sap off while it is hard, some vehicle paint could come off with it.

Prevention

It is necessary to have your Mazda washed and waxed to preserve its finish according to the instructions in this section. This should be done as soon as possible.

Bird droppings can be removed with a soft sponge and water. If you are traveling and these are not available, a moistened tissue may also take care of the problem. The cleaned area should be waxed according to the instructions in this section.
Insects and tree sap are best removed with a soft sponge and water or a commercially available chemical cleaner.

Another method is to cover the affected area with dampened newspaper for one to two hours. After removing the newspaper, rinse off the loosened debris with water.

Information Provided by: DEALER E-PROCESS

▼Water Marks

Occurrence

Rain, fog, dew, and even tap water can contain harmful minerals such as salt and lime. If moisture containing these minerals settles on the vehicle and evaporates, the minerals will concentrate and harden to form white rings. The rings can damage your vehicle's finish.

Prevention

It is necessary to wash and wax your vehicle to preserve its finish according to the instructions in this section. These steps should be taken immediately after you find water marks on your vehicle's finish.

▼Paint Chipping

Occurrence

Paint chipping occurs when gravel thrown in the air by another vehicle's tires hits your vehicle.

How to avoid paint chipping

Keeping a safe distance between you and the vehicle ahead reduces the chances of having your paint chipped by flying gravel.

NOTE

- *The paint chipping zone varies with the speed of the vehicle. For example, when traveling at 90 km/h (56 mph), the paint chipping zone is 50 m (164 ft).*
- *In low temperatures a vehicle's finish hardens. This increases the chance of paint chipping.*
- *Chipped paint can lead to rust forming on your Mazda. Before this happens, repair the damage by using Mazda touch-up paint according to the instructions in this section. Failure to repair the affected area could lead to serious rusting and expensive repairs.*

Information Provided by: DEALER E-PROCESS

Exterior Care

Follow **all** label and container directions when using a chemical cleaner or polish. Read all warnings and cautions.

▼Maintaining the Finish

Washing

⚠CAUTION

- *When the wiper lever is in the AUTO position and the ignition is switched ON, the wipers may move automatically in the following cases:*
  - *If the windshield above the rain sensor is touched or wiped with a cloth.*
  - *If the windshield is struck with a hand or other object from either outside or inside the vehicle.*

  Keep hands and scrapers clear of the windshield when the wiper lever is in the AUTO position and the ignition is switched ON as fingers could be pinched or the wipers and wiper blades damaged when the wipers activate automatically.
  If you are going to clean the windshield, be sure the wipers are turned off completely—this is particularly important when clearing ice and snow—when it is most likely that the engine is left running.
- *Do not spray water in the engine compartment. Otherwise, it could result in engine-starting problems or damage to electrical parts.*

To help protect the finish from rust and deterioration, wash your Mazda thoroughly and frequently, at least once a month, with lukewarm or cold water.

If the vehicle is washed improperly, the paint surface could be scratched. Here are some examples of how scratching could occur.

Scratches occur on the paint surface when:

- The vehicle is washed without first rinsing off dirt and other foreign matter.
- The vehicle is washed with a rough, dry, or dirty cloth.
- The vehicle is washed at a car wash that uses brushes that are dirty or too stiff.
- Cleansers or wax containing abrasives are used.

NOTE

- *Mazda is not responsible for scratches caused by automatic car washes or improper washing.*
- *Scratches are more noticeable on vehicles with darker paint finishes.*

To minimize scratches on the vehicle's paint finish:

- Rinse off any dirt or other foreign matter using lukewarm or cold water before washing.
- Use plenty of lukewarm or cold water and a soft cloth when washing the vehicle. Do not use a nylon cloth.
- Rub gently when washing or drying the vehicle.
- Take your vehicle only to a car wash that keeps its brushes well maintained.
- Do not use abrasive cleansers or wax that contain abrasives.

Information Provided by: DEALER E-PROCESS

CAUTION

Do not use steel wool, abrasive cleaners, or strong detergents containing highly alkaline or caustic agents on chrome-plated or anodized aluminum parts. This may damage the protective coating; also, cleaners and detergents may discolor or deteriorate the paint.

Pay special attention to removing salt, dirt, mud, and other foreign material from the underside of the fenders, and make sure the drain holes in the lower edges of the doors and rocker panels are clean.

Insects, tar, tree sap, bird droppings, industrial fallout, and similar deposits can damage the finish if not removed immediately. When prompt washing with plain water is ineffective, use a mild soap made for use on vehicles.

Thoroughly rinse off all soap with lukewarm or cold water. Do not allow soap to dry on the finish.

After washing the vehicle, dry it with a clean chamois to prevent water spots from forming.

WARNING

Dry off brakes that have become wet by driving slowly, releasing the accelerator pedal and lightly applying the brakes several times until the brake performance returns to normal:

Driving with wet brakes is dangerous. Increased stopping distance or the vehicle pulling to one side when braking could result in a serious accident. Light braking will indicate whether the brakes have been affected.

When using a high water pressure car wash

High water temperature and high water pressure car washers are available depending on the type of car wash machine. If the car washer nozzle is put too close to the vehicle, the force of the spray could damage or deform the molding, affect the sealability of parts, and allow water to penetrate the interior. Keep a sufficient space (30 cm or more) between the nozzle and the vehicle. In addition, do not spend too much time spraying the same area of the vehicle, and be very careful when spraying between gaps in doors and around windows.

Waxing

Your vehicle needs to be waxed when water no longer beads on the finish. Always wash and dry the vehicle before waxing it. In addition to the vehicle body, wax the metal trim to maintain its luster.

1. Use wax which contains no abrasives. Waxes containing abrasive will remove paint and could damage bright metal parts.

Information Provided by: DEALER E-PROCESS

2. Use a good grade of natural wax for metallic, mica, and solid colors.
3. When waxing, coat evenly with the sponge supplied or a soft cloth.
4. Wipe off the wax with a soft cloth.

NOTE

A spot remover to remove oil, tar, and similar materials will usually also take off the wax. Rewax these areas even if the rest of the vehicle does not need it.

▼Repairing Damage to the Finish

Deep scratches or chips on the finish should be repaired promptly. Exposed metal quickly rusts and can lead to major repairs.

⚠CAUTION

If your Mazda is damaged and needs metal parts repaired or replaced, make sure the body shop applies anti-corrosion materials to all parts, both repaired and new. This will prevent them from rusting.

▼Bright-Metal Maintenance

- Use tar remover to remove road tar and insects. Never do this with a knife or similar tool.
- To prevent corrosion on bright-metal surfaces, apply wax or chrome preservative and rub it to a high luster.
- During cold weather or in coastal areas, cover bright-metal parts with a coating of wax or preservative heavier than usual. It would also help to coat them with noncorrosive petroleum jelly or some other protective compound.

⚠CAUTION

Don't use steel wool, abrasive cleaners, or strong detergents containing highly alkaline or caustic agents on chrome-plated or anodized aluminum parts. This may result in damage to the protective coating and cause discoloration or paint deterioration.

▼Underbody Maintenance

Road chemicals and salt used for ice and snow removal and solvents used for dust control may collect on the underbody. If not removed, they will speed up rusting and deterioration of such underbody parts as fuel lines, frame, floor pan, and exhaust system, even though these parts may be coated with anti-corrosive material.

Thoroughly flush the underbody and wheel housings with lukewarm or cold water at the end of each winter. Try also to do this every month.

Pay special attention to these areas because they easily hide mud and dirt. **It will do more harm than good to wet down the road grime without removing it.**

The lower edges of doors, rocker panels, and frame members have drain holes that should not be clogged. Water trapped there will cause rusting.

Information Provided by: DEALER E-PROCESS

⚠ WARNING

Dry wet brakes by driving very slowly and applying the brakes lightly until brake performance is normal:

Driving with wet brakes is dangerous. Increased stopping distance or the vehicle pulling to one side when braking could result in a serious accident. Light braking will indicate whether the brakes have been affected.

▼Aluminum Wheel Maintenance*

A protective coating is provided over the aluminum wheels. Special care is needed to protect this coating.

⚠ CAUTION

Do not use any detergent other than mild detergent. Before using any detergent, verify the ingredients. Otherwise, the product could discolor or stain the aluminum wheels.

NOTE

- *Do not use a wire brush or any abrasive cleaner, polishing compound, or solvent on aluminum wheels. They may damage the coating.*
- *Always use a sponge or soft cloth to clean the wheels.*
  Rinse the wheels thoroughly with lukewarm or cold water. Also, be sure to clean the wheels after driving on dusty or salted roads to help prevent corrosion.
- *Avoid washing your vehicle in an automatic car wash that uses high-speed or hard brushes.*
- *If your aluminum wheels lose luster, wax the wheels.*

(With Tire Pressure Monitoring System)

Check special requirements for Tire Pressure Monitoring System.

Refer to Tires and Wheels on page 5-31.

▼Plastic Part Maintenance

- When cleaning the plastic lenses of the lights, do not use gasoline, kerosene, rectified spirit, paint, thinner, highly acidic detergents, or strongly alkaline detergents. Otherwise, these chemical agents can discolor or damage the surfaces resulting in a significant loss in functionality. If plastic parts become inadvertently exposed to any of these chemical agents, flush with water immediately.
- If plastic parts such as the bumpers become inadvertently exposed to chemical agents or fluids such as gasoline, oil, engine coolant, or battery fluid, it could cause discoloration, staining, or paint peeling. Wipe off any such chemical agents or fluids using a soft cloth immediately.

 *Some models.

Information Provided by: DEALER E-PROCESS

- High water temperature and high water pressure car washers are available depending on the type of high pressure car washer device. If the car washer nozzle is put too close to the vehicle or aimed at one area for an extended period of time, it could deform plastic parts or damage the paint.
- Do not use wax containing compounds (polish). Otherwise, it could result in paint damage.
- In addition, do not use an electrical or air tool to apply wax. Otherwise, the frictional heat generated could result in deformation of plastic parts or paint damage.

Interior Care

▼Dashboard Precautions

Prevent caustic solutions such as perfume and cosmetic oils from contacting the dashboard. They'll damage and discolor the dashboard. If these solutions get on the dashboard, wipe them off immediately.

⚠CAUTION

Do not use glazing agents. Glazing agents contain ingredients which may cause discoloration, wrinkling, cracks and peeling.

▼Cleaning the Upholstery and Interior Trim

Vinyl

Remove dust and loose dirt from vinyl with a whisk broom or vacuum cleaner. Clean vinyl with a leather-and-vinyl cleaner.

Leather *

Remove dust and sand first using a vacuum cleaner or other means, then wipe dirt off using a soft cloth with a leather cleaner or a soft cloth soaked in mild soap.
Wipe off the remaining cleaner or soap using a cloth soaked in clean water and wrung out well.
Remove moisture with a dry, soft cloth and allow the leather to further dry in a well-ventilated, shaded area. If the leather gets wet such as from rain, also remove moisture and dry it as soon as possible.

Information Provided by: DEALER E-PROCESS

NOTE

- *Because genuine leather is a natural material, its surface is not uniform and it may have natural scars, scratches, and wrinkles.*
- *To maintain the quality for as long as possible, periodical maintenance, about twice a year, is recommended.*
- *Sand and dust on the seat surface may damage the overcoat of the genuine leather surfaces and accelerate wear.*
- *Greasy soiling on genuine leather may cause molding and stains.*
- *Rubbing hard with a stiff brush or cloth may cause damage.*
- *Do not wipe the leather using alcohol, chlorine bleach, or organic solvents such as thinner, benzene, or gasoline. Otherwise, it may cause discoloration or stains.*
- *If the seats get wet, promptly remove moisture with a dry cloth. Remaining moisture on the surface may cause deterioration such as hardening and shrinkage.*
- *Exposure to direct sunlight for long periods may cause deterioration and shrinkage. When parking the car under direct sunlight for long periods, shade the interior using sunshades.*
- *Do not leave vinyl products on the seats for long periods as they may affect the leather quality and coloring. If the cabin temperature becomes hot, the vinyl may deteriorate and adhere to the genuine leather.*

Fabric

Remove dust and loose dirt from fabric with a whisk broom or vacuum cleaner. Clean it with a mild soap solution good for upholstery and carpets. Remove fresh spots immediately with a fabric spot cleaner.

To keep the fabric looking clean and fresh, take care of it. Otherwise its color will be affected, it can be stained easily, and its fire-resistance may be reduced.

⚠ CAUTION

Use only recommended cleaners and procedures. Others may affect appearance and fire-resistance.

▼Cleaning the Lap/Shoulder Belt Webbing

Clean the webbing with a mild soap solution recommended for upholstery or carpets. Follow instructions. Don't bleach or dye the webbing; this may weaken it.

After cleaning the belts, thoroughly dry the belt webbing and make sure there is no remaining moisture before retracting them.

⚠ WARNING

Have an Authorized Mazda Dealer replace damaged seat belts immediately:

Using damaged seat belts is dangerous. In a collision, damaged belts cannot provide adequate protection.

Information Provided by: DEALER E-PROCESS

▼Cleaning the Window Interiors

If the windows become covered with an oily, greasy, or waxy film, clean them with glass cleaner. Follow the directions on the container.

⚠ CAUTION

- *Do not scrape or scratch the inside of the window glass. It could damage the thermal filaments and the antenna lines.*
- *When washing the inside of the window glass, use a soft cloth dampened in lukewarm water, gently wiping the thermal filaments and the antenna lines. Use of glass cleaning products could damage the thermal filaments and the antenna lines.*

Information Provided by: DEALER E-PROCESS

Information Provided by:
DEALER E-PROCESS

9 Customer Information and Reporting Safety Defects

Important consumer information including warranties and add-on equipment.

Customer Assistance 9-2
Customer Assistance (U.S.A.) 9-2
Customer Assistance (Canada) 9-6
Customer Assistance (Puerto Rico) 9-9
Customer Assistance (Mexico) 9-10

Mazda Importer/Distributors 9-12
Importer/Distributor 9-12
Distributor in Each Area 9-12

Warranty 9-14
Warranties for Your Mazda 9-14
Outside the United States 9-15
Outside Canada 9-16
Registering Your Vehicle in A Foreign Country (Except United States and Canada) 9-17
Add-On Non-Genuine Parts and Accessories 9-18

Cell Phones 9-19
Cell Phones Warning 9-19

Event Data Recorder 9-20
Event Data Recorder 9-20

Uniform Tire Quality Grading System (UTQGS) 9-21
Uniform Tire Quality Grading System (UTQGS) 9-21

Tire Information (U.S.A.) 9-23
Tire Labeling 9-23
Location of the Tire Label (Placard) 9-29
Tire Maintenance 9-32
Vehicle Loading 9-35
Steps for Determining the Correct Load Limit: 9-41

Reporting Safety Defects 9-42
Reporting Safety Defects (U.S.A.) 9-42
Reporting Safety Defects (Canada) ... 9-43

Service Publications 9-44
Service Publications 9-44

Information Provided by: DEALER E-PROCESS

Customer Assistance (U.S.A.)

Your complete and permanent satisfaction is our business. We are here to serve you. All Authorized Mazda Dealers have the knowledge and the tools to keep your Mazda vehicle in top condition.
If you have any questions or recommendations for improvement regarding the service of your Mazda vehicle or servicing by Mazda Dealer personnel, we recommend that you take the following steps:

▼STEP 1: Contact Your Mazda Dealer

Discuss the matter with an Authorized Mazda Dealer. This is the quickest and best way to address the issue. If your concern has not been resolved by the CUSTOMER RELATIONS, SALES, SERVICE, or PARTS MANAGER, then please contact the GENERAL MANAGER of the dealership or the OWNER.

▼STEP 2: Contact Mazda North American Operations

If for any reason you feel the need for further assistance after contacting your dealership management, you can reach Mazda North American Operations by one of the following ways.

Log on: at www.mazdaUSA.com

Answers to many questions, including how to locate or contact a local Mazda dealership in the U.S., can be found here.

E-mail: click on “Contact Us” located on the “Inside Mazda” tab, or at the bottom of the page at www.mazdaUSA.com

By phone at: 1 (800) 222-5500

By letter at:
Attn: Customer Assistance
Mazda North American Operations
7755 Irvine Center Drive
Irvine, CA 92618-2922
P.O. Box 19734
Irvine, CA 92623-9734

In order to serve you efficiently and effectively, please help us by providing the following information:

1. Your name, address, and telephone number

Information Provided by: DEALER E-PROCESS

2. Year and model of vehicle
3. Vehicle Identification Number (17 digits, noted on your registration or title or located on the upper driver's side corner of the dash)
4. Purchase date and current mileage
5. Your dealer's name and location
6. Your question(s)

If you live outside the U.S.A., please contact your nearest Mazda Distributor.

▼STEP 3: Contact Better Business Bureau (BBB)

Mazda North American Operations realizes that mutual agreement on some issues may not be possible. As a final step to ensure that your concerns are being fairly considered, Mazda North American Operations has agreed to participate in a dispute settlement program administered by the Better Business Bureau (BBB) system, at no cost to you the consumer.

BBB AUTO LINE works with consumers and the manufacturer in an attempt to reach a mutually acceptable resolution of any warranty related concerns. If the BBB is not able to facilitate a settlement they will provide an informal hearing before an arbitrator.

You are required to resort to BBB AUTO LINE before exercising rights or seeking remedies under the Federal Magnuson-Moss Warranty Act, 15 U.S.C. § 2301 et seq. To the extent permitted by the applicable state “Lemon Law”, you are also required to resort to BBB AUTO LINE before exercising any rights or seeking remedies under the “Lemon Law”. If you choose to seek remedies that are not created by the Magnuson-Moss Warranty Act or the applicable state “Lemon Law”, you are not required to first use BBB AUTO LINE.

The whole process normally takes 40 days or less. The arbitration decision is not binding on you or Mazda unless you accept the decision. For more information about BBB AUTO LINE, including current eligibility standards, please call 1-800-955-5100 or visit the BBB website at www.lemonlaw.bbb.org.

Being truly committed to customer satisfaction is more than a phrase with Mazda. We hope to satisfy every customer directly, but if there is ever a question about our decision, Mazda believes in providing a fast, fair and free method such as the BBB AUTO LINE to ensure Mazda delivers on our commitment to do the right thing for our customers!

Information Provided by: DEALER E-PROCESS

Customer Assistance

▼California Customers

1. Mazda North American Operations participates in BBB AUTO LINE, a mediation/arbitration program administered by the Council of Better Business Bureaus [4200 Wilson Boulevard, Arlington, Virginia 22203] through local Better Business Bureaus. BBB AUTO LINE and Mazda have been certified by the Arbitration Certification Program of the California Department of Consumer Affairs.
2. If you have a problem arising under a Mazda written warranty, we encourage you to bring it to our attention. If we are unable to resolve it, you may file a claim with BBB AUTO LINE. Claims must be filed with BBB AUTO LINE within six (6) months after the expiration of the warranty.
3. To file a claim with BBB AUTO LINE, call 1-800-955-5100. There is no charge for the call.
4. In order to file a claim with BBB AUTO LINE, you will have to provide your name and address, the brand name and vehicle identification number (VIN) of your vehicle, and a statement of the nature of your problem or complaint. You will also be asked to provide: the approximate date of your acquisition of the vehicle, the vehicle's current mileage, the approximate date and mileage at the time any problem(s) were first brought to the attention of Mazda or one of our dealers, and a statement of the relief you are seeking.
5. BBB AUTO LINE staff may try to help resolve your dispute through mediation. If mediation is not successful, or if you do not wish to participate in mediation, claims within the program's jurisdiction may be presented to an arbitrator at an informal hearing. The arbitrator's decision should ordinarily be issued within 40 days from the time your complaint is filed; there may be a delay of 7 days if you did not first contact Mazda about your problem, or a delay of up to 30 days if the arbitrator requests an inspection/report by an impartial technical expert or further investigation and report by BBB AUTO LINE.
6. You are required to use BBB AUTO LINE before asserting in court any rights or remedies conferred by California Civil Code Section 1793.22. You are also required to use BBB AUTO LINE before exercising rights or seeking remedies created by Title I of the Magnuson-Moss Warranty Act, 15 U.S.C. sec. 2301 et seq. If you choose to seek redress by pursuing rights and remedies not created by California Civil Code Section 1793.22 or Title I of the Magnuson-Moss Warranty Act, resort to BBB AUTO LINE is not required by those statutes.

Information Provided by: DEALER E-PROCESS

7. California Civil Code Section 1793.2 (d) requires that, if Mazda or its representative is unable to repair a new motor vehicle to conform to the vehicle's applicable express warranty after a reasonable number of attempts, Mazda may be required to replace or repurchase the vehicle. California Civil Code Section 1793.22 (b) creates a presumption that Mazda has had a reasonable number of attempts to conform the vehicle to its applicable express warranties if, within 18 months from delivery to the buyer or 18,000 miles on the vehicle's odometer, whichever occurs first, one or more of the following occurs:
   - The same nonconformity [a failure to conform to the written warranty that substantially impairs the use, value or safety of the vehicle] results in a condition that is likely to cause death or serious bodily injury if the vehicle is driven **AND** the nonconformity has been subject to repair two or more times by Mazda or its agents **AND** the buyer or lessee has directly notified Mazda of the need for the repair of the nonconformity; OR
   - The same nonconformity has been subject to repair 4 or more times by Mazda or its agents **AND** the buyer has notified Mazda of the need for the repair of the nonconformity; OR
   - The vehicle is out of service by reason of repair of nonconformities by Mazda or its agents for a cumulative total of more than 30 calendar days after delivery of the vehicle to the buyer.

   NOTICE TO Mazda AS REQUIRED ABOVE SHALL BE SENT TO THE FOLLOWING ADDRESS:
   Mazda North American Operations
   7755 Irvine Center Drive
   Irvine, CA 92618
   ATTN: Customer Mediation
8. The following remedies may be sought in BBB AUTO LINE: repairs, reimbursement for money paid to repair a vehicle or other expenses incurred as result of a vehicle nonconformity, repurchase or replacement of your vehicle, and compensation for damages and remedies available under Mazda's written warranty or applicable law.
9. The following remedies may **not** be sought in BBB AUTO LINE: punitive or multiple damages, attorneys' fees, or consequential damages other than as provided in California Civil Code Section 1794 (a) and (b).
10. You may reject the decision issued by a BBB AUTO LINE arbitrator. If you reject the decision, you will be free to pursue further legal action. The arbitrator's decision and any findings will be admissible in a court action.
11. If you accept the arbitrator's decision, Mazda will be bound by the decision, and will comply with the decision within a reasonable time not to exceed 30 days after we receive notice of your acceptance of the decision.
12. Please call BBB AUTO LINE at 1-800-955-5100 for further details about the program.

Information Provided by: DEALER E-PROCESS

Customer Assistance (Canada)

▼Satisfaction Review Process

Your complete and permanent satisfaction is of primary concern to Mazda. All Authorized Mazda Dealers have both the knowledge and tools to keep your Mazda in top condition. In our experience, any questions, problems, or complaints regarding the operation of your Mazda or any other general service transactions are most effectively resolved by your dealer. If the cause of your dissatisfaction cannot adequately be addressed by normal dealership procedures, we recommend that you take the following steps:

▼STEP 1: Contact the Mazda Dealer

Discuss the matter with a member of dealership management. If the Service Manager has already reviewed your concerns, contact the owner of the dealership or its General Manager.

▼STEP 2: Contact the Mazda Regional Office

If you feel that you still require assistance, ask the dealer Service Manager to arrange for you to meet the local Mazda Service Representative. If more expedient, contact Mazda Canada Inc.Regional Office nearest you for such arrangements. Regional Office address and phone numbers are shown (page 9-8).

▼STEP 3: Contact the Mazda Customer Relations Department

If still not substantially satisfied, contact the Customer Relations Department, Mazda Canada Inc., 55 Vogell Road, Richmond Hill, Ontario, L4B 3K5 Canada TEL: 1 (800) 263-4680.
Provide the Department with the following information:

1. Your name, address and telephone number
2. Year and model of vehicle
3. Vehicle Identification Number (VIN). Refer to the “Vehicle Identification Labels” page of section 10 of this manual for the location of the VIN.
4. Purchase date
5. Present odometer reading
6. Your dealer's name and location
7. The nature of your problem and/or cause of dissatisfaction

The Department, in cooperation with the local Mazda Service Representative, will review the case to determine if everything possible has been done to ensure your satisfaction.

Information Provided by: DEALER E-PROCESS

Please recognize that the resolution of service problems in most cases requires the use of your Mazda dealer's service facilities, personnel and equipment. We urge you to follow the above three steps in sequence for most effective results.

▼Mediation/Arbitration Program

Occasionally a customer concern cannot be resolved through Mazda's Customer Satisfaction Program. If after exhausting the procedures in this manual your concern is still not resolved, you have another option.

Mazda Canada Inc. participates in an arbitration program administered by the Canadian Motor Vehicle Arbitration Plan (CAMVAP). CAMVAP will advise you about how your concern may be reviewed and resolved by an independent third party through binding arbitration.

Your complete satisfaction is the goal of Mazda Canada Inc. and our dealers. Mazda's participation in CAMVAP makes a valuable contribution to our achieving that goal. There is no charge for using CAMVAP. CAMVAP results are fast, fair and final as the award is binding on both you and Mazda Canada Inc.

▼Canadian Motor Vehicle Arbitration Plan (CAMVAP)

If a specific item of concern arises, where a solution cannot be reached between an owner, Mazda, and/or one of its dealers (that all parties cannot agree upon), the owner may wish to use the services offered by the Canadian Motor Vehicle Arbitration Plan (CAMVAP).

CAMVAP uses the services of Provincial Administrators to assist consumers in scheduling and preparing for their arbitration hearings. However, before you can proceed with CAMVAP you must follow your Mazda dispute resolution process as outlined previously.

Information Provided by: DEALER E-PROCESS

Customer Assistance

CAMVAP is fully implemented in all provinces and territories.
Consumers wishing to obtain further information about the Program should contact the Provincial Administrator at 1 (800) 207-0685, or by contacting the Canadian Motor Vehicle Arbitration Plan Office at:

Canadian Motor Vehicle Arbitration Plan
235 Yorkland Boulevard, suite 300
North York, Ontario
M2J 4Y8
http://camvap.ca

Provincial Administrators may be reached locally as listed below:

Province/Territory	CAMVAP Number
British Columbia & Yukon Territories	1 (800) 207-0685
Alberta & Northwest Territories	1 (800) 207-0685
Saskatchewan	1 (800) 207-0685
Manitoba	1 (800) 207-0685
Ontario	1 (800) 207-0685
Atlantic Canada	1 (800) 207-0685
Quebec	1 (800) 207-0685

▼Regional Offices

REGIONAL OFFICES	AREAS COVERED
MAZDA CANADA INC. WESTERN REGION 8171 ACKROYD ROAD SUITE 2000 RICHMOND B.C. V6X 3K1 (604) 303-5670	ALBERTA, BRITISH COLUMBIA, MANITOBA, SASKATCHEWAN, YUKON
MAZDA CANADA INC. CENTRAL/ATLANTIC REGION 55 VOGELL ROAD, RICHMOND HILL, ONTARIO, L4B 3K5 (905) 787-7000	ONTARIO
MAZDA CANADA INC. QUEBEC REGION 6111 ROUTE TRANS CANADIENNE POINTE CLAIRE, QUEBEC H9R 5A5 (514) 694-6390	QUEBEC, NEW BRUNSWICK, NOVA SCOTIA, PRINCE EDWARD ISLAND, NEWFOUNDLAND

Information Provided by: DEALER E-PROCESS

Customer Assistance (Puerto Rico)

Your complete and permanent satisfaction is our business. That is why all Authorized Mazda Dealers have the knowledge and the tools to keep your Mazda vehicle in top condition.
If you have any questions or recommendations for improvement regarding the service of your Mazda vehicle or servicing by Mazda Dealer personnel, we recommend that you take the following steps:

▼STEP 1

Discuss the matter with an Authorized Mazda Dealer. This is the quickest and best way to address the issue. If your concern has not been resolved by the CUSTOMER RELATIONS, SALES, SERVICE, or PARTS MANAGER, then please contact the GENERAL MANAGER of the dealership or the OWNER.

▼STEP 2

If, after following STEP 1, you feel the need for further assistance, please contact your area's Mazda representative (Indicated on the next page).

Please help us by providing the following information:

1. Your name, address, and telephone number
2. Year and model of vehicle
3. Vehicle Identification Number (17 digits, noted on your registration or title or located on the upper driver's side corner of the dash)
4. Purchase date and current mileage
5. Your dealer's name and location
6. Your question(s)

Information Provided by: DEALER E-PROCESS

Customer Assistance (Mexico)

Your complete and permanent satisfaction is our business. We are here to serve you. All Authorized Mazda Dealers have the knowledge and the tools to keep your Mazda vehicle in top condition.
If you have any questions or recommendations for improvement regarding the service of your Mazda vehicle or servicing by Mazda Dealer personnel, we recommend that you take the following steps:

▼Contact Your Mazda Dealer

Discuss the matter with an Authorized Mazda Dealer. This is the quickest and best way to address the issue.

- If your concern has not been resolved by the CUSTOMER RELATIONS, SALES, SERVICE, or PARTS MANAGER, then please contact the GENERAL MANAGER of the dealership or the OWNER.
- It becomes necessary to have the components or wiring system for the supplementary restraint system modified to accommodate a person with certain medical condition in accordance with a certified physician ask for advice to your dealership in order to avoid lose the warranty of your vehicle in case of some third party hired by the costumer to make the necessary modified to your Mazda vehicle.

Log on: at www.MazdaMexico.com.mx

Answers to many questions, including how to locate or contact a local Mazda dealership in Mexico, can be found here.

E-mail: click on “Contactanos” at the top of the page at www.MazdaMexico.com.mx

By phone at: 1 (866) 315 0220

By letter at:
Attn: Customer Assistance
Mazda Motor de Mexico
Mario Pani #150, PB Col. Lomas de Santa Fe
Mexico, D.F. C.P. 05300
Del. Cuajimalpa de Morelos
Tel: Customer Assistance
01 (800) 016 2932.

In order to serve you efficiently and effectively, please help us by providing the following information:

1. Your name, address, and telephone number

Information Provided by: DEALER E-PROCESS

2. Year and model of vehicle
3. Vehicle Identification Number (17 digits, noted on your registration or title or located on the upper driver's side corner of the dash)
4. Purchase date and current mileage
5. Your dealer's name and location
6. Your question(s)

Information Provided by: DEALER E-PROCESS

Mazda Importer/Distributors

Importer/Distributor

▼U.S.A.

Mazda North American Operations
7755 Irvine Center Drive
Irvine, CA 92618-2922 U.S.A.
P.O. Box 19734
Irvine, CA 92623-9734 U.S.A.
TEL: 1 (800) 222-5500 (in U.S.A.)
(949) 727-1990 (outside U.S.A.)

Distributor in Each Area

▼CANADA

Mazda Canada Inc.
55 Vogell Road, Richmond Hill,
Ontario, L4B 3K5 Canada
TEL: 1 (800) 263-4680 (in Canada)
(905) 787-7000 (outside Canada)

▼PUERTO RICO/U.S. Virgin Islands

Plaza Motors Corp. (Mazda de Puerto Rico)
P.O. Box 362722, San Juan, Puerto Rico
00936-2722
TEL: (787) 641-9300

▼MEXICO

Mazda Motor de Mexico
Mario Pani # 150, PB Col. Lomas de
Santa Fe Mexico, D.F. C.P. 05300 Del.
Cuajimalpa
TEL: Center of Attention to Clients:
01 (800) 016 2932. in Mexico

▼GUAM

Triple J Motors
157 South Marine Drive, Tamuning,
GUAM 96911 USA
P.O. Box 6066 Tamuning, Guam 96931
TEL: (671) 649-6555

▼SAIPAN

Pacific International Marianas, Inc.
(d.b.a. Midway Motors)
P.O. Box 887 Saipan, MP 96950
TEL: (670) 234-7524

Information Provided by: DEALER E-PROCESS

Triple J Saipan, Inc.
(d.b.a. Triple J Motors)
P.O. Box 500487 Saipan, MP 96950-0487
TEL: (670) 234-7133/3051

▼AMERICAN SAMOA

Polynesia Motors, Inc.
P.O. Box 1120, Pago Pago, American Samoa 96799
TEL: (684) 699-9347

Information Provided by: DEALER E-PROCESS

Warranties for Your Mazda

- New Vehicle Limited Warranty
- Distributor Major Component Limited Warranty (Canada only)
- Safety Restraint System Limited Warranty
- Anti-perforation Limited Warranty
- Federal Emission Control Warranty (U.S.A. only)
  - Emission Defect Warranty
  - Emission Performance Warranty
- California Emission Control Warranty (U.S.A. only)
- Emission Control Warranty (Canada only)
- Replacement Parts and Accessories Limited Warranty
- Tire Warranty

NOTE
Detailed warranty information is provided with your Mazda.

Information Provided by: DEALER E-PROCESS

Outside the United States

Government regulations in the United States require that automobiles meet specific emission regulations and safety standards. Therefore, vehicles built for use in the United States may differ from those sold in other countries.

The differences may make it difficult or even impossible for your vehicle to receive satisfactory servicing in other countries. We strongly recommend that you NOT take your Mazda outside the United States. However, in the event that you are moving to Canada permanently, Mazda vehicles built for use in the United States could be eligible for exportation to Canada with specific vehicle modifications to comply with the Canadian Motor Vehicle Safety Standards (CMVSS).

NOTE

The above is applicable for a permanent import/export situation and not related to travelers on vacation.

You may have the following problems if you do take your vehicle outside of the United States:

- Recommended fuel may be unavailable. Any kind of leaded fuel or low-octane fuel will affect vehicle performance and damage the emission controls and engine.
- Proper repair facilities, tools, testing equipment, and replacement parts may not be available.

Please refer to your Manufacturer's Warranty Booklet for more information.

Information Provided by: DEALER E-PROCESS

Outside Canada

Government regulations in Canada require that automobiles meet specific emission regulations and safety regulations. Therefore, vehicles built for use in Canada may differ from those sold in other countries.

The differences may make it difficult or even impossible for your vehicle to receive satisfactory servicing in other countries. We strongly recommend that you NOT take your Mazda outside Canada. However, in the event that you are moving to the United States permanently, Mazda vehicles built for use in Canada could be eligible for exportation to the United States with specific vehicle modifications to comply with the United States Federal Motor Vehicle Safety Standards (FMVSS).

NOTE

The above is applicable for a permanent import/export situation and not related to travelers on vacation.

You may have the following problems if you do take your vehicle outside of Canada:

- Recommended fuel may be unavailable. Any kind of leaded fuel or low-octane fuel will affect vehicle performance and damage the emission controls and engine.
- Proper repair facilities, tools, testing equipment, and replacement parts may not be available.

Please refer to your Manufacturer's Warranty Booklet for more information.

Information Provided by: DEALER E-PROCESS

Registering Your Vehicle in A Foreign Country (Except United States and Canada)

Registering your vehicle in a foreign country may be problematic depending on whether it meets the specific emission and safety standards of the country in which the vehicle will be driven. Consequently, your vehicle may require modifications at personal expense in order to meet the regulations.
In addition, you should be aware of the following issues:
Satisfactory vehicle servicing may be difficult or impossible in another country.

The fuel specified for your vehicle may be unavailable.

Parts, servicing techniques, and tools necessary to maintain and repair your vehicle may be unavailable.

There might not be an Authorized Mazda Dealer in the country you plan to take your vehicle.

The Mazda warranty is valid only in certain countries.

Information Provided by: DEALER E-PROCESS

Add-On Non-Genuine Parts and Accessories

Non-genuine parts and accessories for Mazda vehicles can be found in stores. These may fit your vehicle, but they are not approved by Mazda for use with Mazda vehicles. When you install non-genuine parts or accessories, they could affect your vehicle's performance or safety systems; the Mazda warranty doesn't cover this. Before you install any non-genuine parts or accessories, consult an Authorized Mazda Dealer.

⚠ WARNING

Always consult an Authorized Mazda Dealer before you install non-genuine parts or accessories:

Installation of non-genuine parts or accessories is dangerous. Improperly designed parts or accessories could seriously affect your vehicle's performance or safety systems. This could cause you to have an accident or increase your chances of injuries in an accident.

Be very careful in choosing and installing add-on electrical equipment, such as mobile telephones, two-way radios, stereo systems, and car alarm systems:

Incorrectly choosing or installing improper add-on equipment or choosing an improper installer is dangerous. Essential systems could be damaged, causing engine stalling, air-bag (SRS) activation, ABS/TCS/DSC inactivation, or a fire in the vehicle.

Mazda assumes no responsibility for death, injury, or expenses that may result from the installation of add-on non-genuine parts or accessories.

Information Provided by: DEALER E-PROCESS

Cell Phones Warning

⚠ WARNING

Please comply with the legal regulations concerning the use of communication equipment in vehicles in your State or Province:

Use of any electrical devices such as cell phones, computers, portable radios, vehicle navigation or other devices by the driver while the vehicle is moving is dangerous. Dialing a number on a cell phone while driving also ties-up the driver's hands. Use of these devices will cause the driver to be distracted and could lead to a serious accident. If a passenger is unable to use the device, pull off the right-of-way to a safe area before use. If use of a cell phone is necessary despite this warning, use a hands-free system to at least leave the hands free to drive the vehicle. Never use a cell phone or other electrical devices while the vehicle is moving and, instead, concentrate on the full-time job of driving.

Information Provided by: DEALER E-PROCESS

Event Data Recorder

This vehicle is equipped with an event data recorder (EDR). The main purpose of an EDR is to record, in certain crash or near crash-like situations, such as an air bag deployment or hitting a road obstacle, data that will assist in understanding how a vehicle's systems performed. The EDR is designed to record data related to vehicle dynamics and safety systems for a short period of time, typically 30 seconds or less. The EDR in this vehicle is designed to record such data as:

- How various systems in your vehicle were operating;
- Whether or not the driver and passenger safety belts were buckled/fastened;
- How far (if at all) the driver was depressing the accelerator and/or brake pedal; and,
- How fast the vehicle was traveling.

These data can help provide a better understanding of the circumstances in which crashes and injuries occur.

NOTE

EDR data are recorded by your vehicle only if a non-trivial crash or near crash-like situation occurs; no data are recorded by the EDR under normal driving conditions and no personal data (e.g., name, gender, age, and crash location) are recorded. However, other parties, such as law enforcement, could combine the EDR data with the type of personally identifying data routinely acquired during a crash investigation.

To read data recorded by an EDR, special equipment is required, and access to the vehicle or the EDR is needed. In addition to the vehicle manufacturer, other parties, such as law enforcement, that have the special equipment, can read the information if they have access to the vehicle or the EDR.

Mazda will not disclose any of the data recorded in an EDR to a third party unless:

- A written agreement from the vehicle owner or the lessee is obtained
- Officially requested by the police or other law enforcement authorities
- Used as a defense for Mazda in a law suit, claim, or arbitration
- Ordered by a judge or court

However, if necessary Mazda will:

- Use the data for research on Mazda vehicle performance, including safety.
- Disclose the data or the summarized data to a third party for research purposes without disclosing vehicle or owner identification information.

Information Provided by: DEALER E-PROCESS

Uniform Tire Quality Grading System (UTQGS)

This information relates to the tire grading system developed by the U.S. National Highway Traffic Safety Administration for grading tires by tread wear, traction, and temperature performance.

▼Tread Wear

The tread wear grade is a comparative rating based on the wear rate of the tire when tested under controlled conditions on a specified government test course.
For example, a tire graded 150 would wear one-and-a-half times as well on the government course as a tire graded 100.

The relative performance of tires depends upon the actual conditions of their use, however, and may depart significantly from the norm because of variations in driving habits, service practices and differences in road characteristics and climate.

▼Traction-AA, A, B, C

The traction grades, from highest to lowest, are AA, A, B, and C. These grades represent the tire's ability to stop on wet pavement as measured under controlled conditions on specified government test surfaces of asphalt and concrete. A tire marked C may have poor traction performance.

⚠ WARNING

The traction grade assigned to this tire is based on braking (straight ahead) traction tests and does not include acceleration cornering (turning), hydroplaning, or peak traction characteristics.

▼Temperature-A, B, C

The temperature grades A (the highest), B, and C, represent the tire's resistance to the generation of heat and its ability to dissipate heat when tested under controlled conditions on a specified indoor laboratory test wheel.
Sustained high temperature can cause the material of the tire to degenerate and reduce tire life, and excessive temperatures can lead to sudden tire failure.

Grade C corresponds to a level of performance which all passenger vehicle tires must meet under the Federal Motor Vehicle Safety Standard No. 109. Grades B and A represent higher levels of performance on the laboratory test wheel than the minimum required by law.

Information Provided by: DEALER E-PROCESS

Uniform Tire Quality Grading System (UTQGS)

⚠ WARNING

Keep your vehicle's tires properly inflated and not overloaded:

Driving with improperly inflated or overloaded tires is dangerous. Excessive speed, underinflation, or excessive loading, either separately or in combination, can cause heat buildup and possible tire failure. The temperature grade for this tire is established for a tire that is properly inflated and not overloaded.

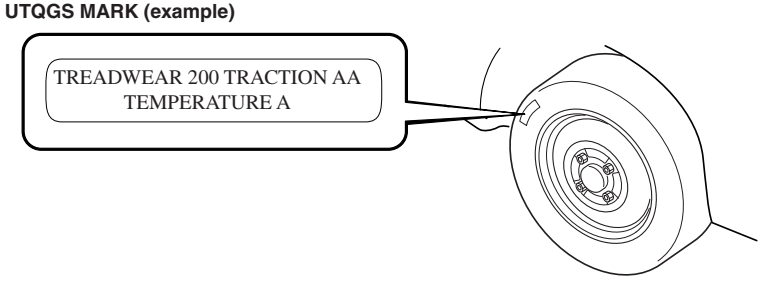
These grades will be added to the sidewalls of passenger vehicle tires over the next several years according to a schedule established by the NHTSA and the tire manufacturers.

The grade of tires available as standard or optional equipment on Mazda vehicles may vary with respect to grade.

ALL PASSENGER VEHICLE TIRES MUST CONFORM TO THESE GRADES AND TO ALL OTHER FEDERAL TIRE-SAFETY REQUIREMENTS.

▼Uniform Tire Quality Grading

Quality grades can be found where applicable on the tire sidewall between tread shoulder and maximum section width.
For example:
Treadwear 200 Traction AA Temperature A



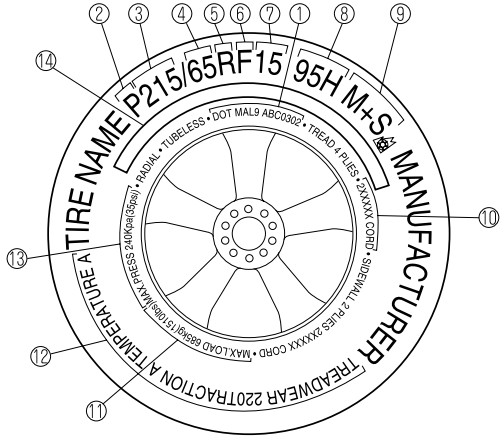
Information Provided by: DEALER E-PROCESS

Tire Labeling

Federal law requires tire manufacturers to place standardized information on the sidewall of all tires. This information identifies and describes the fundamental characteristics of the tire and also provides a tire identification number for safety standard certification and in case of a recall.

▼Information on Passenger Vehicle Tires

Please refer to the sample below.



1. TIN: U.S. DOT tire identification number
2. Passenger car tire
3. Nominal width of tire in millimeters
4. Ratio of height to width (aspect ratio)
5. Radial
6. Run-flat tire
7. Rim diameter code
8. Load index & speed symbol
9. Severe snow conditions
10. Tire ply composition and materials used

Information Provided by: DEALER E-PROCESS

Tire Information (U.S.A.)

11. Max. load rating
12. Tread wear, traction and temperature grades
13. Max. permissible inflation pressure
14. SAFETY WARNING

P215/65R15 95H is an example of a tire size and load index rating. Here is an explanation of the various components of that tire size and load index rating. Note that the tire size and load index rating may be different from the example.

P

Indicates a tire that may be installed on cars, SUVs, minivans and light trucks as designated by the Tire and Rim Association (T&RA).

NOTE

If your tire size does not begin with a letter this may mean it is designated by either ETRTO (European Tire and Rim Technical Organization) or JATMA (Japan Tire Manufacturing Association).

215

“215” is the nominal width of the tire in millimeters. This three-digit number gives the width in millimeters of the tire from sidewall edge to sidewall edge. In general, the larger the number, the wider the tire.

65

“65” is the aspect ratio. This two-digit number indicates the tire's ratio of height to width.

R

“R” is the tire construction symbol. R indicates “Radial ply construction”.

15

“15” is the wheel rim diameter in inches.

95

“95” is the Load Index. This two-or three-digit number indicates how much weight each tire can support.

Information Provided by: DEALER E-PROCESS

H

"H" is the speed rating. The speed rating denotes the maximum speed for which the use of the tire is rated.

Letter Rating	Speed Rating
Q	99 mph
R	106 mph
S	112 mph
T	118 mph
U	124 mph
H	130 mph
V	149 mph
W	168* mph
Y	186* mph

* For tires with a maximum speed capability over 149 mph, tire manufacturers sometimes use the letters ZR. For tires with a maximum speed capability over 186 mph, tire manufacturers always use the letters ZR.

M+ S or M/S: Mud and Snow

AT: All Terrain.
AS: All Season. The "M+ S" or "M/S" indicates that the tire has some functional use in mud and snow.

U.S. DOT Tire Identification Number (TIN)

This begins with the letters "DOT" which indicates the tire meets all federal standards. The next two numbers or letters are the plant code where it was manufactured, and the last four numbers represent the week and year the tire was manufactured. For example, the numbers 457 means the 45st week of 1997. After 2000 the numbers go to four digits. For example, the number 2102 means the 21th week of 2002. The other numbers are marketing codes used at the manufacturer's discretion. This information is used to contact consumers if a tire defect requires a recall.

Tire Ply Composition and Materials Used

The number of plies indicates the number of layers of rubber-coated fabric in the tire. In general, the greater the number of plies, the more weight a tire can support. Tire manufacturers also must indicate the tire materials, which include steel, nylon, polyester, and other.

Maximum Load Rating

This number indicates the maximum load in kilograms and pounds that can be carried by the tire.

Maximum Permissible Inflation Pressure

This number is the greatest amount of air pressure that should ever be put in the tire under normal driving conditions.

Information Provided by: DEALER E-PROCESS

Tire Information (U.S.A.)

Tread Wear, Traction and Temperature Grades

Tread wear: The tread wear grade is a comparative rating based on the wear rate of the tire when tested under controlled conditions on a specified government test course. For example, a tire graded 150 would wear one and one-half (1 1/2) times as well on the government course as a tire graded 100.
Traction: The traction grades, from highest to lowest are AA, A, B, and C. The grades represent the tire's ability to stop on wet pavement as measured under controlled conditions on specified government test surfaces of asphalt and concrete. A tire marked C may have poor traction performance.
Temperature: The temperature grades are A (the highest), B and C, representing the tire's resistance to the generation of heat and its ability to dissipate heat when tested under controlled conditions on a specified indoor laboratory test wheel.

Snow Tires

In some heavy snow areas, local governments may require true snow tires, those with very deeply cut tread. These tires should only be used in pairs or placed on all four wheels. Make sure you purchase snow tires that are the same size and construction type as the other tires on your vehicle.

SAFETY WARNING

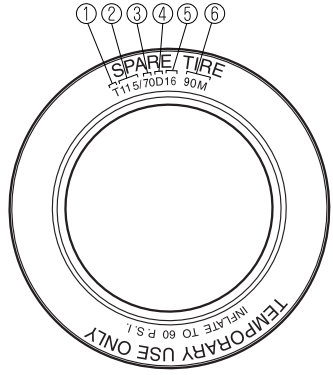
The following safety warning appears on the tire's sidewall.
SERIOUS INJURY MAY RESULT FROM:

- EXPLOSION OF TIRE/RIM ASSEMBLY DUE TO IMPROPER MOUNTING-MATCH TIRE DIAMETER TO RIM DIAMETER; NEVER EXCEED 40 psi (275 kPa) TO SEAT BEADS-ONLY SPECIALLY TRAINED PERSONS SHOULD MOUNT TIRES.
- TIRE FAILURE DUE TO UNDER-INFLATION/OVERLOADING/DAMAGE-FOLLOW OWNER'S MANUAL AND PLACARD IN VEHICLE-FREQUENTLY CHECK INFLATION PRESSURE AND INSPECT FOR DAMAGE.

Information Provided by: DEALER E-PROCESS

▼Information on Temporary Tires

Please refer to the sample below.



1. Temporary tires
2. Nominal width of tire in millimeters
3. Ratio of height to width (aspect ratio)
4. Diagonal
5. Rim diameter code
6. Load index & speed symbol

T115/70D 16 90M is an example of a tire size and load index rating. Here is an explanation of the various components of that tire size and load index rating. Note that the tire size and load index rating may be different from the example.

T

Indicates a tire that may be installed on cars, SUVs, minivans and light trucks as designated by the Tire and Rim Association (T&RA).

115

“115” is the nominal width of the tire in millimeters. This three-digit number gives the width in millimeters of the tire from sidewall edge to sidewall edge. In general, the larger the number, the wider the tire.

Information Provided by: DEALER E-PROCESS

Tire Information (U.S.A.)

70

“70” is the aspect ratio. This two-digit number indicates the tire's ratio of height to width.

D

“D” is the tire construction symbol. D indicates “diagonal ply construction”.

16

“16” is the wheel rim diameter in inches.

90

“90” is the Load Index. This two-or three-digit number indicates how much weight each tire can support.

M

“M” is the speed rating. The speed rating denotes the maximum speed for which the use of the tire is rated.

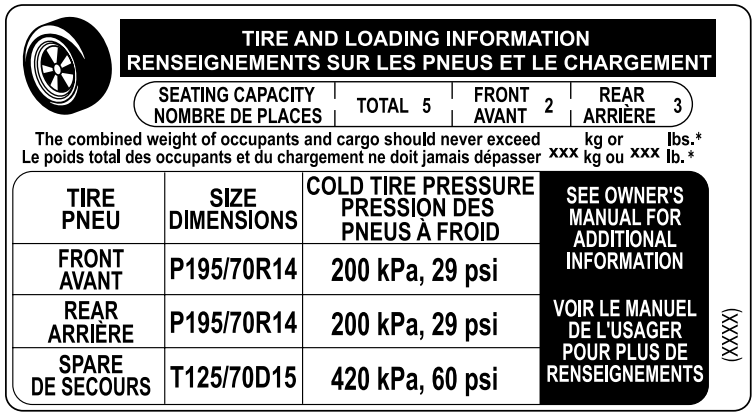
Letter Rating	Speed Rating
M	81 mph

Information Provided by: DEALER E-PROCESS

Location of the Tire Label (Placard)

You will find the tire label containing tire inflation pressure by tire size and other important information on the driver's side B-pillar or on the edge of the driver's door frame.

SAMPLE



▼Recommended Tire Inflation Pressure

On the tire label you will find the recommended tire inflation pressure in both kPa and psi for the tires installed as original equipment on the vehicle. It is very important that the inflation pressure of the tires on your vehicle is maintained at the recommended pressure. You should check the tire pressure regularly to insure that the proper inflation pressure is maintained.
Refer to Tires on page 10-7.

NOTE

Tire pressures listed on the vehicle placard or tire information label indicate the recommended cold tire inflation pressure, measured when the tires are cold, after the vehicle has been parked for at least 3 hours. As you drive, the temperature in the tire warms up, increasing the tire pressure.

Information Provided by: DEALER E-PROCESS

Tire Information (U.S.A.)

⚠ WARNING

Always check the tire inflation pressures on a regular basis according to the recommended tire inflation pressure on the tire label and in conjunction with the information in this owner's manual:

Driving your vehicle with under-inflated tires is dangerous.
Under-inflation is the most common cause of failures in any kind of tire and may result in severe cracking, tread separation or "blowout", with unexpected loss of vehicle control and increased risk of injury. Under-inflation increases sidewall flexing and rolling resistance, resulting in heat buildup and internal damage to the tire. It results in unnecessary tire stress, irregular wear, loss of control and accidents. A tire can lose up to half of its air pressure and not appear to be flat!
It is impossible to determine whether or not tires are properly inflated just by looking at them.

▼Checking Tire Pressure

1. When you check the air pressure, make sure the tires are cold —meaning they are not hot from driving even a mile.
2. Remove the cap from the valve on one tire.
3. Firmly press a tire gauge onto the valve.
4. Add air to achieve recommended air pressure.
5. If you overfill the tire, release air by pushing on the metal stem in the center of the valve. Then recheck the pressure with your tire gauge.
6. Replace the valve cap.
7. Repeat with each tire, including the spare.

NOTE
Some spare tires require higher inflation pressure.

8. Visually inspect the tires to make sure there are no nails or other objects embedded that could poke a hole in the tire and cause an air leak.
9. Check the sidewalls to make sure there are no gouges, cuts, bulges, cracks or other irregularities.

NOTE
Warm tires normally exceed recommended pressures. Don't release air from warm tires to adjust the pressure.
Under-inflation can cause serious failures and accidents.
Over-inflation can produce a harsh ride and the greater possibility of damage from road hazards.

Information Provided by: DEALER E-PROCESS

▼Glossary of Terms

Tire Placard: A label indicating the OE tire sizes, recommended inflation pressure, and the maximum weight the vehicle can carry.
Tire Identification Number (TIN): A number on the sidewall of each tire providing information about the tire brand and manufacturing plant, tire size, and date of manufacture.
Inflation Pressure: A measure of the amount of air in a tire.
kPa: Kilopascal, the metric unit for air pressure.
psi: Pounds per square inch, the English unit for air pressure.
B-pillar: The structural member at the side of the vehicle behind the front door.
Original Equipment (OE): Describes components originally equipped on the vehicle.
Vehicle Load Limit: The maximum value of the combination weight of occupants and cargo.
Bead Area of the Tire: Area of the tire next to the rim.
Sidewall Area of the Tire: Area between the bead area and the tread.
Tread Area of the Tire: Area on the perimeter of the tire that contacts the road when it's mounted on the vehicle.

Seating capacity means the total allowable number of vehicle occupants. Seating capacity is described on the tire label.

Production options weight is the combination weight of installed regular production options weighing over 2.3 kilograms in excess of the standard items which they replace, and not previously considered in the curb weight or accessory weight, including heavy duty brakes, ride levelers, roof rack, heavy duty battery, and special trim.

Rim is the metal support (wheel) for a tire or a tire and tube assembly upon which the tire beads are seated.

Information Provided by: DEALER E-PROCESS

Tire Maintenance

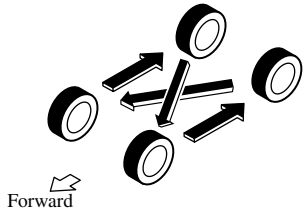
Improper or inadequate vehicle maintenance can cause tires to wear abnormally. Here are some important maintenance points:

▼Tire Inflation Pressure

Inspect all tire pressure monthly (including the spare) when the tires are cold. Maintain recommended pressures for the best ride, top handling, and minimum tire wear. Use the pressures specified on the vehicle tire information placard or tire label for optimum service.

▼Tire Rotation

To equalize tread wear, rotate the tires every 12,000 km (7,500 miles) or sooner if irregular wear develops. During rotation, inspect them for correct balance.



Do not include (TEMPORARY USE ONLY) spare tire in rotation.

Inspect the tires for uneven wear and damage. Abnormal wear is usually caused by one or a combination of the following:

- Incorrect tire pressure
- Improper wheel alignment
- Out-of-balance wheel
- Severe braking

After rotation, inflate all tire pressures to specification (page 10-7) and inspect the lug nuts for tightness.

⚠ CAUTION

Rotate unidirectional tires and radial tires that have an asymmetrical tread pattern or studs only from front to rear, not from side to side. Tire performance will be weakened if rotated from side to side.

Information Provided by: DEALER E-PROCESS

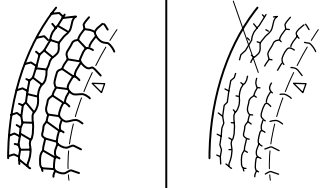
▼Replacing a Tire

⚠ WARNING

Always use tires that are in good condition:

Driving with worn tires is dangerous. Reduced braking, steering, and traction could result in an accident.

If a tire wears evenly, a wear indicator will appear as a solid band across the tread. Replace the tire when this happens.



New tread | Worn tread

You should replace the tire before the band crosses the entire tread.

NOTE

Tires degrade over time, even when they are not being used on the road. It is recommended that tires generally be replaced when they are 6 years or older. Heat caused by hot climates or frequent high loading conditions can accelerate the aging process. You should replace the spare tire when you replace the other road tires due to the aging of the spare tire. The period in which the tire was manufactured (both week and year) is indicated by a 4-digit number.
Refer to Tire Labeling on page 9-23.

▼Safety Practices

The way you drive has a great deal to do with your tire mileage and safety. So cultivate good driving habits for your own benefit.

- Observe posted speed limits
- Avoid fast starts, stops and turns
- Avoid potholes and objects on the road
- Do not run over curbs or hit the tire against the curb when parking

Information Provided by: DEALER E-PROCESS

Tire Information (U.S.A.)

⚠ CAUTION

If you feel a sudden vibration or ride disturbance while driving or you suspect your tire or vehicle has been damaged, immediately reduce your speed. Drive with caution until you can safely pull off the road. Stop and inspect the tire for damage. If the tire is under-inflated or damaged, deflate it, remove the tire and rim and replace it with your spare tire. If you cannot detect a cause, have the vehicle towed to the nearest vehicle or tire dealer to have the vehicle inspected.

Information Provided by: DEALER E-PROCESS

Vehicle Loading

⚠ WARNING

Do not tow a trailer with this vehicle:

Towing a trailer with this vehicle is dangerous because it has not been designed to tow a trailer and doing so will affect the drive system which could result in vehicle damage.

This section will guide you in the proper loading of your vehicle, to keep your loaded vehicle weight within its design rating capability. Properly loading your vehicle will provide maximum return of vehicle design performance. Before loading your vehicle, familiarize yourself with the following terms for determining your vehicle's weight ratings, from the vehicle's Safety Certification Label and Tire and Load Information Label:

⚠ WARNING

Overloaded Vehicle:

Overloading a vehicle is dangerous. The results of overloading can have serious consequences in terms of passenger safety. Too much weight on a vehicle's suspension system can cause spring or shock absorber failure, brake failure, handling or steering problems, irregular tire wear, tire failure or other damage. Overloading makes a vehicle harder to drive and control. It also increases the distance required for stopping. In cases of serious overloading, brakes can fail completely, particularly on steep grades. The load a tire will carry safely is a combination of the size of the tire, its load range, and corresponding inflation pressure.

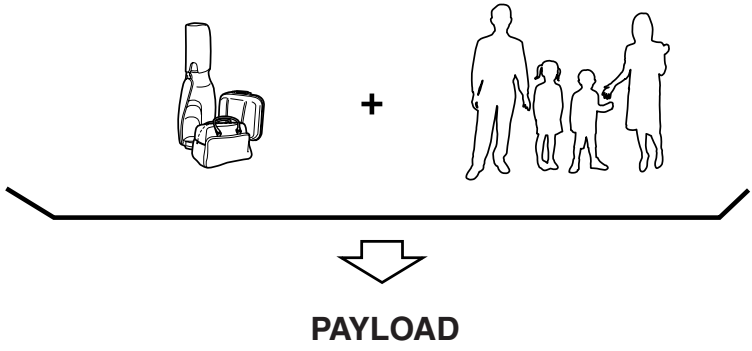
Never overload the vehicle and always observe the vehicle's weight ratings from the vehicle's Safety Certification and Tire and Load Information labels.

Information Provided by: DEALER E-PROCESS

Tire Information (U.S.A.)

Base Curb Weight is the weight of the vehicle including a full tank of fuel and all standard equipment. It does not include passengers, cargo, or optional equipment.

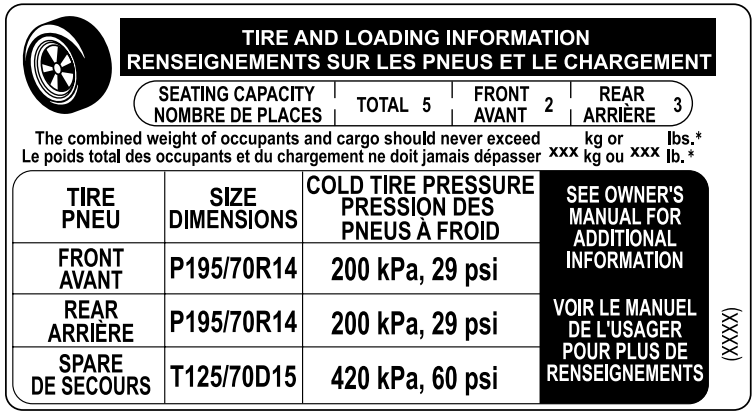
Vehicle Curb Weight is the weight of your new vehicle when you picked it up from your dealer plus any aftermarket equipment.



Payload is the combination weight of cargo and passengers that the vehicle is designed to carry. The maximum payload for your vehicle can be found on the Tire and Load Information label on the driver's door frame or door pillar. Look for “THE COMBINATION WEIGHT OF OCCUPANTS AND CARGO SHOULD NEVER EXCEED XXX kg or XXX lbs” for your maximum payload. The payload listed on the tire label is the maximum payload for the vehicle as built by the assembly plant. If any aftermarket or dealer installed equipment has been installed on the vehicle, the weight of the equipment must be subtracted from the payload listed on the tire label in order to be accurate.

Information Provided by: DEALER E-PROCESS

SAMPLE



Cargo Weight includes all weight added to the Base Curb Weight, including cargo and optional equipment.

The cargo weight limit decreases depending on the number of vehicle occupants. The cargo weight limit can be calculated by subtracting the total weight of the vehicle occupants from the “combination weight of occupants and cargo should never exceed” value on the tire label.

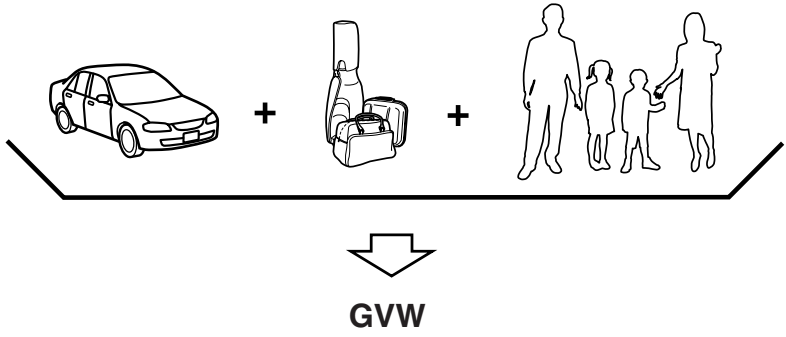
Information Provided by: DEALER E-PROCESS

Tire Information (U.S.A.)

Examples: Based on a single occupant weight of 68 kg (150 lbs), and a value of 385 kg (849 lbs) for the “combination weight of occupants and cargo should never exceed”:
The cargo weight limit with one occupant is 385 kg (849 lbs) – 68 kg (150 lbs) = 317 kg (699 lbs)
The cargo weight limit with two occupants is 385 kg (849 lbs) – (68 × 2) kg ((150 × 2) lbs) = 249 kg (549 lbs)
If the weight of the occupant increases, the cargo weight limit decreases by that much.

GAW (Gross Axle Weight) is the total weight placed on each axle (front and rear) - including vehicle curb weight and all payload.

GAWR (Gross Axle Weight Rating) is the maximum allowable weight that can be carried by a single axle (front or rear). **These numbers are shown on the Safety Compliance Certification Label located on the driver's door frame or door pillar. The total load on each axle must never exceed its GAWR.**

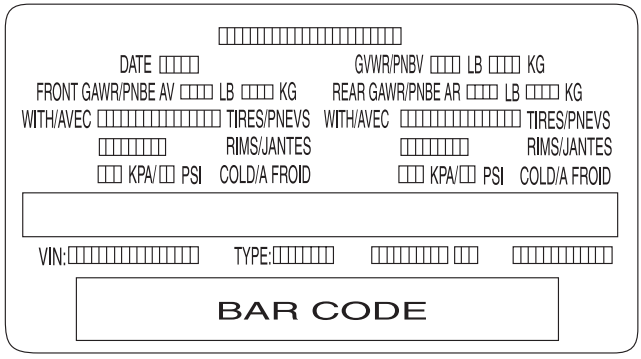


GVW (Gross Vehicle Weight) is the Vehicle Curb Weight + cargo + passengers.

GVWR (Gross Vehicle Weight Rating) is the maximum allowable weight of the fully loaded vehicle (including all options, equipment, passengers and cargo). **The GVWR is shown on the Safety Compliance Certification Label located on the driver's door frame or door pillar. The GVW must never exceed the GVWR.**

Information Provided by: DEALER E-PROCESS

SAMPLE



⚠ WARNING

Exceeding Axle Weight Rating Limits:

Exceeding the Safety Certification Label axle weight rating limits is dangerous and could result in death or serious injury as a result of substandard vehicle handling, performance, engine, transmission and/or structural damage, serious damage to the vehicle, or loss of control.

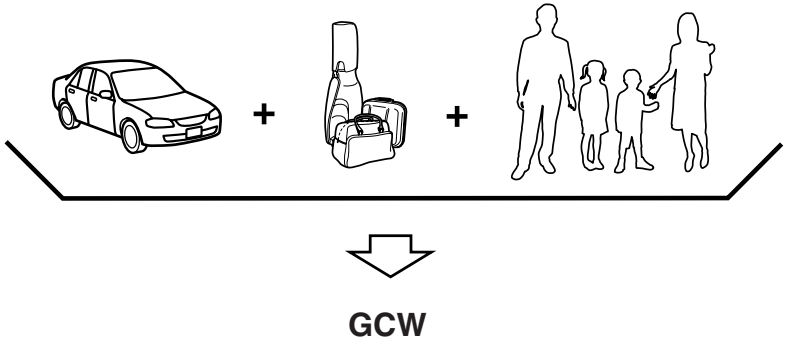
Always keep the vehicle within the axle weight rating limits.

Do not tow a trailer with this vehicle:

Towing a trailer with this vehicle is dangerous because it has not been designed to tow a trailer and doing so will affect the drive system which could result in vehicle damage.

Information Provided by: DEALER E-PROCESS

Tire Information (U.S.A.)



GCW (Gross Combination Weight) is the weight of the loaded vehicle (GVW).

GCWR (Gross Combination Weight Rating) is the maximum allowable weight of the vehicle - including all cargo and passengers - that the vehicle can handle without risking damage. **The GCW must never exceed the GCWR.**

⚠ WARNING

Exceeding GVWR or GAWR Specifications:

Exceeding the GVWR or the GAWR specified on the certification label is dangerous. Exceeding any vehicle rating limitation could result in a serious accident, injury, or damage to the vehicle.

Do not use replacement tires with lower load carrying capacities than the originals because they may lower the vehicle's GVWR and GAWR limitations. Replacement tires with a higher limit than the originals do not increase the GVWR and GAWR limitations.

Never exceed the GVWR or the GAWR specified on the certification label.

Information Provided by: DEALER E-PROCESS

Steps for Determining the Correct Load Limit:

Steps for Determining Correct Load Limit:

(1) Locate the statement “The combined weight of occupants and cargo should never exceed XXX kg or XXX lbs” on your vehicle's placard.
(2) Determine the combined weight of the driver and passengers that will be riding in your vehicle.
(3) Subtract the combined weight of the driver and passengers from XXX kg or XXX lbs.
(4) The resulting figure equals the available amount of cargo and luggage load capacity. For example, if the “XXX” amount equals 1400 lbs. and there will be five 150 lb passengers in your vehicle, the amount of available cargo and luggage load capacity is 650 lbs. (1400 – 750 (5 × 150) = 650 lbs.)
(5) Determine the combined weight of luggage and cargo being loaded on the vehicle. That weight may not safely exceed the available cargo and luggage load capacity calculated in Step 4.
(6) If your vehicle will be towing a trailer, the load from your trailer will be transferred to your vehicle. Consult this manual to determine how this reduces the available cargo and luggage load capacity of your vehicle.

Information Provided by: DEALER E-PROCESS

Reporting Safety Defects (U.S.A.)

If you believe that your vehicle has a defect which could cause a crash or could cause injury or death, you should immediately inform the National Highway Traffic Safety Administration (NHTSA) in addition to notifying Mazda Motor Corporation (Your Mazda Importer/Distributor).

If NHTSA receives similar complaints, it may open an investigation, and if it finds that a safety defect exists in a group of vehicles, it may order a recall and remedy campaign. However, NHTSA cannot become involved in individual problems between you, your dealer, or Mazda Motor Corporation (Your Mazda Importer/Distributor).

To contact NHTSA, you may call the Vehicle Safety Hotline toll-free at 1-888-327-4236 (TTY:1-800-424-9153) ; go to http://www.safercar.gov; or write to: Administrator, NHTSA, 1200 New Jersey Avenue, SE., Washington, DC, 20590. You can also obtain other information about motor vehicle safety from http://www.safercar.gov.

NOTE

If you live in the U.S.A., all correspondence to Mazda Motor Corporation should be forwarded to:

Mazda North American Operations
7755 Irvine Center Drive
Irvine, California 92618-2922
or
P.O. Box 19734
Irvine, CA 92623-9734
Customer Assistance Center or toll free at 1 (800) 222-5500

If you live outside of the U.S.A., please contact the nearest Mazda Distributor shown (page 9-12) in this booklet.

Information Provided by: DEALER E-PROCESS

Reporting Safety Defects (Canada)

Canadian customers who wish to report a safety-related defect to Transport Canada, Defect Investigations and Recalls, may telephone the toll free hotline 1-800-333-0510, or contact Transport Canada by mail at: Transport Canada, ASFAD, Place de Ville Tower C, 330 Sparks Street, Ottawa ON K1A 0N5.

For additional road safety information, please visit the Road Safety website at: http://www.tc.gc.ca/roadsafety/menu.htm

Information Provided by: DEALER E-PROCESS

Service Publications

Factory-authorized Mazda service publications are available for owners who wish to do some of their own maintenance and repair.

When requesting any of our publications through an Authorized Mazda Dealer, refer to the chart below.

If they do not have what you need in stock, they can order it for you.

PUBLICATION ORDER NUMBER	PUBLICATION DESCRIPTION
9999-95-063B-12	2012 WORKSHOP MANUAL (English)
9999-MX-063B-12	2012 WORKSHOP MANUAL (Spanish)
9999-95-039G-12	2012 WIRING DIAGRAM (English)
9999-MX-039G-12	2012 WIRING DIAGRAM (Spanish)
9999-95-078C-12 (U.S.A. only)	2012 OWNER'S MANUAL
9999-EC-078C-12 (Canada only)	2012 OWNER'S MANUAL
9999-PR-078C-12 (Puerto Rico, Mexico only)	2012 OWNER'S MANUAL
9999-95-MODL-12	2012 SERVICE HIGHLIGHTS
9999-95-078C-12NAV (U.S.A. only)	2012 NAVIGATION SYSTEM OWNER'S MANUAL
9999-EC-078C-12NAV (Canada only)	2012 NAVIGATION SYSTEM OWNER'S MANUAL
9999-PR-078C-12NAV (Puerto Rico, Mexico only)	2012 NAVIGATION SYSTEM OWNER'S MANUAL

▼WORKSHOP MANUAL:

Covers recommended maintenance and repair procedures of the drive train, body and chassis.

▼WIRING DIAGRAM:

Provides electrical schematics as well as component location for the entire electrical system.

▼OWNER'S MANUAL:

This booklet contains information regarding the proper care and operation of your vehicle. This is not a technician's manual.

▼SERVICE HIGHLIGHTS:

Provides description and operation of the many systems of your Mazda.

Information Provided by: DEALER E-PROCESS

▼NAVIGATION SYSTEM OWNER'S MANUAL:

This booklet contains information regarding the proper operation and use of the navigation system. This is not a technician's manual.

Information Provided by: DEALER E-PROCESS

Information Provided by:
DEALER E-PROCESS

10 Specifications

Technical information about your Mazda.

Identification Numbers 10-2
Vehicle Information Labels 10-2

Specifications 10-4
Specifications 10-4

Personalization Features 10-9
Personalization Features 10-9

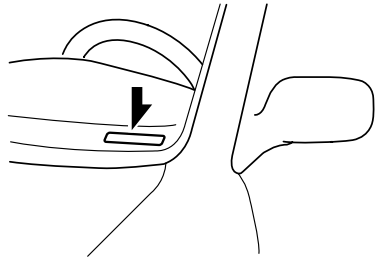
Information Provided by: DEALER E-PROCESS

Identification Numbers

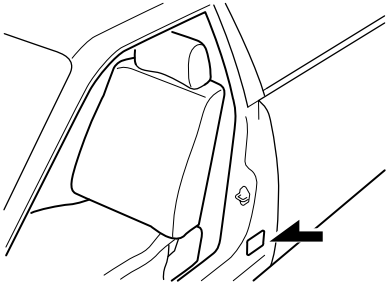
Vehicle Information Labels

▼Vehicle Identification Number

The vehicle identification number legally identifies your vehicle. The number is on a plate attached to the left top side of the dashboard. This plate can easily be seen through the windshield.



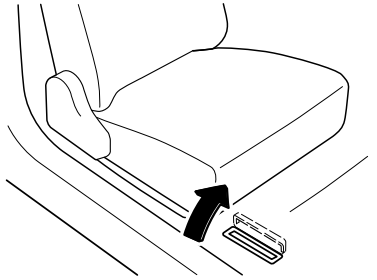
▼Motor Vehicle Safety Standard Label



▼Chassis Number

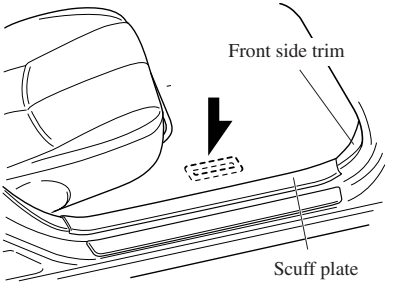
Type A (With cover)

Open the cover shown in the figure to check the chassis number.



Type B (Without cover)

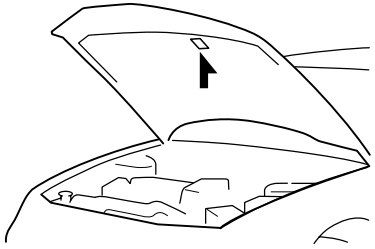
The chassis number is indicated in the position under the floor mat shown in the figure.



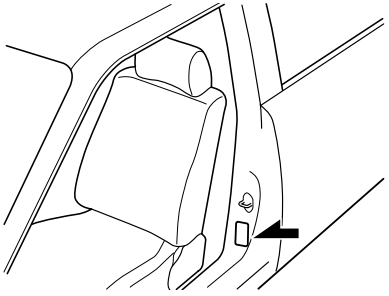
To confirm the number, consult an Authorized Mazda Dealer because the scuff plate and front side trim must be removed. The chassis number is also indicated on the dashboard. Refer to Vehicle Identification Number on page 10-2.

Information Provided by: DEALER E-PROCESS

▼**Vehicle Emission Control Information Label**

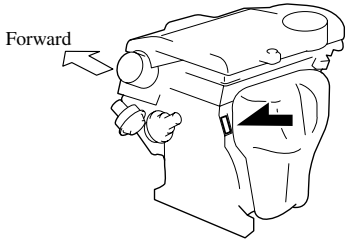


▼**Tire Pressure Label**

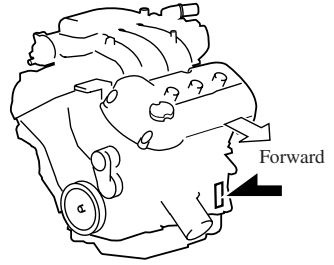


▼**Engine Number**

2.5-liter engine



3.7-liter engine



Information Provided by: DEALER E-PROCESS

Specifications

Specifications

▼Engine

Item	Specification	
	2.5-liter engine	3.7-liter engine
Type	DOHC-16V in-line, 4-cylinder	DOHC-24V 60°V, 6-cylinder
Bore×Stroke	89.0 × 100 mm (3.50 × 3.94 in)	95.5 × 86.7 mm (3.75 × 3.41 in)
Displacement	2,488 ml (2,488 cc, 151.8 cu in)	3,726 ml (3,726 cc, 227.4 cu in)
Compression ratio	9.7	10.3

▼Electrical System

Item			Classification
Battery			12V-46AH/5HR
Spark-plug number	2.5-liter engine	NGK	ILTR5A13G
	3.7-liter engine	Motorcraft	AYFS22FM
Spark-plug gap	2.5-liter engine		1.25—1.35 mm (0.049—0.053 in)
	3.7-liter engine		1.29—1.45 mm (0.051—0.057 in)

⚠ CAUTION

When cleaning the iridium plugs, do not use a wire brush.
(2.5-liter engine) The fine particulate coating on the iridium alloy and platinum tips could be damaged.
(3.7-liter engine) The fine particulate coating on the platinum alloy could be damaged.

▼Lubricant Quality

Lubricant		Classification	
Engine oil		Refer to Recommended Oil on page 8-19.	
Manual transaxle oil	Any temperature	API Service	GL-4 or GL-5
		SAE	75W-90
	Above 10 °C (50 °F)	API Service	GL-4 or GL-5
		SAE	80W-90
Automatic transaxle fluid	2.5-liter engine	Mazda Genuine ATF M-V	
	3.7-liter engine	Mazda Genuine JWS3309	
Power steering fluid		Mazda Genuine ATF M-V	
Brake/Clutch fluid		SAE J1703 or FMVSS116 DOT-3	

Information Provided by: DEALER E-PROCESS

▼Capacities

(Approximate Quantities)

Item				Capacity
Engine oil		2.5-liter engine	With oil filter replacement	5.0 L (5.3 US qt. 4.4 Imp qt)
			Without oil filter replacement	4.6 L (4.9 US qt. 4.0 Imp qt)
		3.7-liter engine	With oil filter replacement	5.2 L (5.5 US qt. 4.6 Imp qt)
			Without oil filter replacement	4.7 L (5.0 US qt. 4.1 Imp qt)
Coolant	U.S.A. and Canada	2.5-liter engine	Manual transaxle	7.7 L (8.1 US qt, 6.8 Imp qt)
			Automatic transaxle	7.6 L (8.0 US qt, 6.7 Imp qt)
		3.7-liter engine		8.9 L (9.4 US qt, 7.8 Imp qt)
	Mexico	2.5-liter engine	Manual transaxle	7.9 L (8.3 US qt, 7.0 Imp qt)
			Automatic transaxle	8.1 L (8.6 US qt, 7.1 Imp qt)
		3.7-liter engine		8.9 L (9.4 US qt, 7.8 Imp qt)
Manual transaxle oil				2.85 L (3.01 US qt, 2.51 Imp qt)
Automatic transaxle fluid		2.5-liter engine		8.14 L (8.60 US qt, 7.16 Imp qt)
		3.7-liter engine		6.6 L (7.0 US qt, 5.8 Imp qt)
Fuel tank				70.0 L (18.5 US gal, 15.4 Imp gal)

Check oil and fluid levels with dipsticks or reservoir gauges.

▼Dimensions

Item		Specification
Overall length	Without license plate holder	4,920 mm (193.7 in)
	With license plate holder	4,940 mm (194.5 in)
Overall width		1,840 mm (72.4 in)
Overall height		1,470 mm (57.9 in)
Front tread	16-inch	1,595 mm (62.8 in)
	17-inch	1,595 mm (62.8 in)
	18-inch	1,585 mm (62.4 in)
Rear tread	16-inch	1,595 mm (62.8 in)
	17-inch	1,595 mm (62.8 in)
	18-inch	1,585 mm (62.4 in)
Wheelbase		2,790 mm (109.8 in)

Information Provided by: DEALER E-PROCESS

Specifications

▼Weights

2.5-liter engine

Manual transaxle

Item		Weight
GVWR (Gross Vehicle Weight Rating)		1,969 kg (4,340 lb)
GAWR (Gross Axle Weight Rating)	Front	1,037 kg (2,286 lb)
	Rear	935 kg (2,062 lb)

Automatic transaxle

Item		Weight
GVWR (Gross Vehicle Weight Rating)		1,996 kg (4,400 lb)
GAWR (Gross Axle Weight Rating)	Front	1,066 kg (2,350 lb)
	Rear	934 kg (2,059 lb)

3.7-liter engine

Item		Weight
GVWR (Gross Vehicle Weight Rating)		2,082 kg (4,590 lb)
GAWR (Gross Axle Weight Rating)	Front	1,140 kg (2,513 lb)
	Rear	943 kg (2,079 lb)

▼Air Conditioner

Item	Classification
Refrigerant Type	HFC134a (R-134a)

Information Provided by: DEALER E-PROCESS

▼Light Bulbs

Exterior light

Light bulb			Category	
			Wattage	ECE R (SAE)
Headlights	High beam		60	HB3 (#9005)
	Low beam	Halogen	55	H7 (H7)
		Xenon fusion	35	D2S (D2S)
Front turn signal lights/Parking lights			28/8	— (#7444NA)
Fog lights *			55	H11 (H11)
Front side-marker lights			4.9	— (#168)
Side turn signal lights (Integrated with outside mirrors) *			LED*1	— (—)
High-mount brake light			LED*1	— (—)
Rear turn signal lights			26.9	— (#3757A)
Brake lights/Taillights (Rear side-marker lights)			26.9/6.7	— (#3057A)
			LED*1	— (—)
Reverse lights			17.9	W16W (#921)
License plate lights			4.8	— (194)
Ground illumination light *	Retractable outside mirrors		5.0	— (—)
	Non-retractable outside mirrors		5.5	— (—)

*1 LED is the abbreviation for Light Emitting Diode.

Interior light

Light bulb	Category	
	Wattage	ECE R
Trunk light	3	—
Overhead light/Map lights (Front)	8	—
Overhead light (Rear)	10	—
Courtesy lights	5	W5W
Vanity mirror lights	2.1	—

▼Tires

NOTE

- *The tires have been optimally matched with the chassis of your vehicle. When replacing tires, Mazda recommends that you replace tires of the same type originally fitted to your vehicle. For details, contact an Authorized Mazda Dealer.*
- *When changing tires extra care must be taken to be sure the TPMS is working. (page 5-27)*

Information Provided by: DEALER E-PROCESS

Specifications

Check the tire pressure label for tire size and inflation pressure.
Refer to Tire Inflation Pressure on page 8-32.

Standard tire

Tire size	Inflation pressure	
	Front	Rear
P205/65R16 94H	220 kPa (32 psi)	220 kPa (32 psi)
P215/55R17 93V	220 kPa (32 psi)	220 kPa (32 psi)
P235/45R18 94W	220 kPa (32 psi)	220 kPa (32 psi)

Temporary spare tire

Tire size	Inflation pressure
T115/70D16 92M	420 kPa (60 psi)

▼Fuses

Refer to Fuses on page 8-47.

Information Provided by: DEALER E-PROCESS

Personalization Features

The following “Personalization Features” are available. These settings can only be changed by an Authorized Mazda Dealer.

Setting	Function	Initial Setting	After Setting Change
Auto headlight on/off	The headlight illumination on/off timing based on surrounding lightness/darkness can be changed	Standard (Illuminates under average levels of darkness)	Earlier/ Somewhat earlier/ Somewhat later/ Later
Auto headlight off	The time required for headlights to turn off after ignition is switched off can be changed	30 seconds	0/60/120 seconds
Turn indicator	The beep volume level can be changed	High	Low
Blind spot warning	The warning beep function can be changed	Activated	Deactivated
Illumination entry	The time required for the interior lamp to turn off automatically after all doors are closed can be changed	15 seconds	7.5/30/60 seconds
	The function allowing the interior lamp to illuminate automatically when ignition is switched off can be changed	Activated	Deactivated
	The function allowing the interior lamp to illuminate automatically when doors are unlocked can be changed	Activated	Deactivated
	The time required for the interior lamp to turn off automatically can be changed (prevents battery depletion when a door is open/ajar)	30 minutes	10 minutes
Smart turn	The function allowing the turn signal lights to flash three times with a momentary turn switch operation (when changing lanes) can be deactivated	Deactivated	Activated
Keyless entry	The unlocking method using the retractable key can be changed	Press × 2	Press × 1
	The time required for the doors to relock automatically after unlocking with the transmitter can be changed	30 seconds	60/90 seconds
	The function allowing the horn to sound automatically when the doors are locked by pressing the transmitter two times consecutively can be changed	Activated	Deactivated

Information Provided by: DEALER E-PROCESS

Personalization Features

Setting	Function	Initial Setting	After Setting Change
Advanced keyless entry	The function to automatically lock the doors when leaving the vehicle while carrying the key can be activated	Deactivated	Activated
	The advanced key's remaining battery level warning light in the instrument cluster can be deactivated	Activated	Deactivated
	The volume of the answer-back beep during keyless entry system operation can be adjusted	High	Low/Deactivated
	The volume of the warning beep for the advanced keyless entry system can be adjusted	High	Low
	Chooses whether permission is given to open trunk when advanced keys are both inside trunk or outside vehicle	Permitted	Not permitted
	Deactivates function that allows power supply to turn off automatically when the ignition has been switched to ACC for a long period of time	Activated	Deactivated
	Selects a transition pattern in which the ignition position can be switched when pressing the push button start	ON → Off	ON → ACC → Off
	Deactivates the advanced key function	Activated	Deactivated
	Selects the door unlocking method using the door handle sensor and/or the request switch	Touch the handle, and only the driver's door unlocks	Touch the handle, and all doors unlock

Information Provided by: DEALER E-PROCESS

Personalization Features

The following “Personalization Features” can be changed the vehicle owner.

Setting	Function	Initial Setting	After Setting Change
Welcome sound	Deactivates welcome sound function 6-28	Activated	Deactivated
Auto lock/unlock	Changes the auto lock/unlock function setting for all the doors according to the vehicle speed, the vehicle power supply condition, and the selector lever position Refer to Power Door Locks on page 3-32.	All the doors and the liftgate lock automatically when the vehicle speed is about 20 km/h (12 mph) or more. All the doors and the liftgate unlock when the ignition is switched from ON to ACC or Off.	The auto door-lock function is disabled
			All the doors and the liftgate lock automatically when the vehicle speed is about 20 km/h (12 mph) or more
			When the ignition is switched ON and the shift lever is shifted from park (P) to any other gear position, all the doors and the liftgate lock automatically.
			When the ignition is switched ON and the shift lever is shifted from park (P) to any other gear position, all the doors and the liftgate lock automatically. When the shift lever is shifted to park (P) while the ignition is switched ON, all the doors and the liftgate unlock automatically.

Information Provided by: DEALER E-PROCESS

Information Provided by:
DEALER E-PROCESS

11 Index

Information Provided by: DEALER E-PROCESS

Index

A

Accessory Socket 6-153
Add-On Non-Genuine Parts and Accessories 9-18
Advanced Key 3-2
- Advanced key maintenance 3-5
- Advanced key suspend function 3-19
- Auxiliary key 3-19
- Locking, unlocking doors 3-8
- Opening the trunk lid with request switch 3-10
- Operational range 3-7
- Remote control function 3-15
- Service 3-6
- Warning and beep sounds 3-20
- When warning indicator/beep is activated 3-23

Air Bag Systems 2-41
Antenna 6-16
Anti-Lock Brake System (ABS) 5-8
- Warning light 5-9

Appearance Care 8-53
Audio System 6-16
- Audio control switch 6-71
- Audio set (Type A) 6-27
- Audio set (Type B) 6-45
- AUX mode 6-74
- Operating tips for audio system 6-16
- Safety certification 6-77

Automatic Transaxle
- Driving tips 5-19
- Manual shift mode 5-16
- Shift-lock override 5-15
- Shift-lock system 5-15
- Transaxle ranges 5-14

B

Battery
- Emergency starting 7-15
- Maintenance 8-30
- Specifications 10-4

Beep Sounds
- Blind spot monitoring system warning 5-60
- Electronic steering lock warning 5-60
- Ignition key reminder 5-59
- Seat belt warning 5-59
- Tire inflation pressure warning ... 5-59

Before Starting the Engine 4-5
- After getting in 4-5
- Before getting in 4-5

Blind Spot Monitoring (BSM) System 5-33
- BSM OFF indicator light 5-35
- BSM OFF switch 5-36
- Care of radar sensors 5-36
- Warning light/beep 5-35

Bluetooth Audio (Type A) 6-78
Bluetooth Audio (Type B) 6-87
Bluetooth Hands-Free (Panel Operation) 6-122
- Basic Bluetooth Hands-Free operation 6-124
- Convenient use of the hands-free system 6-127
- Hands-free setting 6-131
- Mazda Bluetooth Hands-Free customer service 6-134
- Safety certification 6-134
- When Bluetooth Hands-Free cannot be used 6-133

Information Provided by: DEALER E-PROCESS

B

Bluetooth Hands-Free
(Voice Recognition) 6-95
Bluetooth Hands-Free cannot be used 6-120
Bluetooth Hands-Free operation 6-100
Convenient use of the hands-free system 6-105
Hands-free setting 6-112
Mazda Bluetooth Hands-Free customer service 6-121
Safety certification 6-120
Body Lubrication 8-27
Bottle Holder 6-149
Brake/Clutch
Fluid 8-24
Brakes
Anti-lock brake system (ABS) 5-8
Brakes assist 5-10
Foot brake 5-5
Pad wear indicator 5-10
Parking brake 5-7
Warning light 5-8
Break-In Period 4-6
Bulb Replacement 8-38

C

Capacities 10-5
Carbon Monoxide 4-4
Catalytic Converter 4-3
Cell Phones 9-19
Center Console 6-151

C

Child Restraint
Child restraint precautions 2-26
Child-restraint system installation position 2-30
Installing child-restraint systems 2-31
LATCH child-restraint systems 2-37
Child Safety Locks for Rear Doors ... 3-35
Climate Control System 6-2
Gas specifications 10-6
Clock 6-145
Courtesy Lights 6-143
Cruise Control 5-20
Cup Holder 6-148
Customer Assistance 9-2

D

Dashboard Illumination 5-43
Daytime Running Lights 5-65
Defroster
Mirror 5-72
Rear window 5-71
Dimensions 10-5
Door Locks 3-31
Driving In Flooded Area 4-9
Driving on Uneven Road 4-11
Driving Tips 4-6
Automatic transaxle 5-19
Break-in period 4-6
Driving in flooded area 4-9
Driving on uneven road 4-11
Hazardous driving 4-7
Money-saving suggestions 4-6
Rocking the vehicle 4-8
Winter driving 4-8

Information Provided by: DEALER E-PROCESS

Index

D

Dynamic Stability Control (DSC) 5-25
DSC OFF indicator light 5-26
DSC OFF switch 5-26
TCS/DSC indicator light 5-25

E

Emergency Starting 7-15
Flooded engine 7-15
Jump-starting 7-16
Push-starting 7-18
Emergency Towing 7-19
Emission Control System 4-3
Engine
Coolant 8-22
Exhaust gas 4-4
Hood release 3-45
Oil 8-19
Overheating 7-13
Starting 5-4
Engine Compartment Overview 8-18
Engine Coolant
Overheating 7-13
Engine Coolant Temperature
Gauge 5-42
Event Data Recorder 9-20
Exhaust Gas 4-4
Exterior Care 8-55

F

Flasher
Hazard warning 5-73
Headlights 5-61
Flat Tire 7-3
Changing 7-6
Spare tire and tool storage 7-3

F

Fluids
Classification 10-4
Owner maintenance 8-15
Fog Lights 5-67
Foot Brake 5-5
Front Seats
(Electrically Operated Seats) 2-4
Front Seats
(Manually Operated Seats) 2-2
Fuel
Filler lid and cap 3-43
Gauge 5-42
Requirements 4-2
Tank capacity 10-5
Fuses 8-47
Panel description 8-50
Replacement 8-47

G

Gauges 5-38
Glove Compartment 6-150

H

Hazard Warning Flasher 5-73
Hazardous Driving 4-7
Headlights
Control 5-61
Flashing 5-64
High-low beam 5-64
Leveling 5-65
HomeLink Wireless Control
System 5-73
Hood Release 3-45
Horn 5-72

Information Provided by: DEALER E-PROCESS

I

Ignition
Keys 3-24
Switch 5-2
Illuminated Entry System 6-142
Immobilizer System
(with Advanced Key) 3-50
Immobilizer System
(without Advanced Key) 3-54
Indicator Lights 5-44
BSM OFF 5-58
Cruise 5-57
DSC OFF 5-57
Headlight high-beam 5-56
KEY 5-54
Security 5-55
Shift position 5-56
TCS/DSC 5-56
Turn signal/hazard warning 5-58
Information Display 6-144
Audio display 6-145
Climate control display 6-145
Clock 6-145
Information display functions... 6-144
Trip computer 6-145
Inside Trunk Release Lever 3-39
Instrument Cluster 5-38
Interior Care 8-59
Interior Lights 6-142

J

Jump-Starting 7-16

K

Keyless Entry System 3-25
Keys 3-24

L

Label Information 10-2
Lane-Change Signals 5-66
Light Bulbs
Replacement 8-38
Specifications 10-7
Lighting Control 5-61
Lubricant Quality 10-4

M

Maintenance
Introduction 8-2
Owner maintenance
precautions 8-16
Owner maintenance schedule 8-15
Scheduled 8-3
Manual Transaxle Operation 5-11
Recommendations for shifting..... 5-12
Map Lights 6-143
Meters and Gauges 5-38
Mirror Defroster 5-72
Mirrors
Outside mirrors 3-61
Rearview mirror 3-62
Money-Saving Suggestions 4-6
Moonroof 3-47

O

Odometer and Trip Meter 5-39
Outside Mirrors 3-61
Outside Temperature Display 5-39
Overhead Console 6-150
Overhead Lights 6-142
Overheating 7-13
Overloading 4-10

Information Provided by: DEALER E-PROCESS

Index

P

Paint Damage 8-53
Parking Brake 5-7
Parking in an Emergency 7-2
Personalization Features 10-9
Power Door Locks 3-32
Power Steering 5-20
  Fluid 8-25
Power Windows 3-40
Push-Starting 7-18

R

Rear Coat Hooks 6-152
Rear Door Child Safety Locks 3-35
Rear Seat 2-9
Rear View Monitor 6-135
Rear Window Defroster 5-71
Rearview Mirror 3-62
Recreational Towing 7-20
Registering Your Vehicle in A Foreign Country 9-17
Rocking the Vehicle 4-8

S

Safety Defects, Reporting 9-42
Seat Belt System
  3-point type 2-18
  Automatic locking 2-17
  Emergency locking 2-16
  Extender 2-23
  Pregnant women 2-16
  Pretensioner and load limiting 2-20
  Seat belt precautions 2-14
  Seat belt reminder 2-25
  Warning light 2-24

S

Seats
  Front seat (Electrically operated seats) 2-4
  Front seat (Manually operated seats) 2-2
  Rear seat 2-9
  Seat warmer 2-12
Security System
  Immobilizer system (with advanced key) 3-50
  Immobilizer system (without advanced key) 3-54
  Theft-deterrent system 3-58
Service Publications 9-44
Shopping Bag Hook 6-152
Side Extention Sunvisors 6-141
Spare Tire and Tool Storage 7-3
Specifications 10-4
Speedometer 5-39
SRS Air Bags
  Driver and front passenger occupant classification system 2-54
  How the SRS air bags work 2-47
  Limitations to SRS air bag 2-52
  Monitoring and maintenance 2-59
  SRS air bag deployment criteria 2-51
  Supplemental restraint system (SRS) precautions 2-41
  Supplemental restraint system components 2-46
Starting the Engine 5-4
Steering Wheel 3-61
  Horn 5-72

Information Provided by: DEALER E-PROCESS

S

Storage Compartments 6-150
Center console 6-151
Glove compartment 6-150
Overhead console 6-150
Rear coat hooks 6-152
Shopping bag hook 6-152
Storage pocket 6-150
Storage Pocket 6-150
Sunshade 3-49
Sunvisors 6-141

T

Tachometer 5-41
Temporary Spare Tire 8-34
Theft-Deterrent System 3-58
Tire Information 9-23
Tire Pressure Monitoring System 5-27
System error activation 5-31
Tire pressure monitoring system warning light 5-29
Tires and wheels 5-31
Tires
Flat tire 7-3
Inflation pressure 8-32
Replacement 8-34
Rotation 8-33
Snow tires 4-9
Spare tire and tool storage 7-3
Specifications 10-7
Tire chains 4-9
Uniform tire quality grading system (UTQGS) 9-21
Tool 7-3

T

Towing
Description 7-19
Emergency towing 7-19
Recreational towing 7-20
Trailer towing 4-12
Traction Control System (TCS) 5-24
TCS/DSC indicator light 5-24
Trailer Towing 4-12
Trip Meter 5-39
Trunk Lid 3-36
Inside trunk release lever 3-39
Trunk Light 3-38
Turn and Lane-Change Signals 5-66

V

Vanity Mirrors 6-141
Vehicle Information Labels 10-2

Information Provided by: DEALER E-PROCESS

Index

W

Warning Lights 5-44
ABS 5-47
Air bag system 5-50
Automatic transaxle 5-51
Brake system 5-46
Charging system 5-48
Check engine 5-49
Check fuel cap 5-50
Door-ajar 5-51
Electronic steering lock 5-55
Engine oil pressure 5-48
Front seat belt pretensioner system 5-50
KEY 5-54
Low fuel 5-50
Low washer fluid level 5-51
Malfunction 5-47
Powertrain malfunction/reduced power 5-49
Seat belt 5-51
Tire pressure monitoring system 5-52
Warranty 9-14
Washer Fluid 8-26
Weights 10-6
Wheel Replacement 8-35
Windows
Power windows 3-40
Windshield Washer 5-71
Windshield Wipers 5-68
Blades replacement 8-27
Winter Driving 4-8

Information Provided by: DEALER E-PROCESS